

# Memorandum

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**To:** Examiner Marceau Milord  
**From:** Terri Beale  
**Date:** 5/13/03  
**Re:** Search request 09/929,250

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Attached please find the results of your search request 09/929,250. Please feel free to contact me if you have questions or concerns. Thank you and have a great day.

*Please take a moment and fill out the attached feedback form. Thank you.*

Terri Beale  
EIC 2600  
306-0254

May 13, 2003

File 344:Chinese Patents Abs Aug 1985-2003/Feb  
(c) 2003 European Patent Office  
File 347:JAPIO Oct 1976-2003/Jan(Updated 030506)  
(c) 2003 JPO & JAPIO  
File 350:Derwent WPIX 1963-2003/UD,UM &UP=200330  
(c) 2003 Thomson Derwent

Set	Items	Description
S1	1	APPLICATION()DOWNLOAD()SERVER
S2	1788691	LOAD? OR DOWNLOAD? OR INSTALL? OR SETUP? OR SETTING()UP OR RELOAD?
S3	1987709	DELET? OR REMOV? OR ELIMINATE? OR ERAS?
S4	1171838	SOFTWARE OR PROGRAM? OR APPLICATION? OR OS OR OPERATING()SYSTEM
S5	1870117	COMPUTER()READABLE()MEDIUM OR DISC? OR DISK? OR CD OR CDS - OR CD()ROM OR DVD OR HDD
S6	24259	PAGER OR PDA OR PDAS OR (PERSONAL OR PRIVATE) (1W) (DIGITAL OR DATA OR INFORMATION) () (ASSISTANT? OR ORGANIZER? OR TERMINAL? OR DEVICE?) OR VISOR OR HANDSPRING OR PALM () (PILOT? OR V-II)
S7	950512	HPC OR HPCS OR PIM OR PERSONAL() (DIGIT?? OR INFORMATION) () - (ASSIST? OR MANAG? OR ORGANI?ER) OR CELL OR CELLULAR OR CORDLESS OR HANDHELD OR PORTABLE OR MOBILE OR RADIO OR WIRELESS
S8	998	S2(5N)S3(5N)S4
S9	961135	S6 OR S7
S10	9	S8 AND S9 AND S5
S11	29	APPLICATION()DOWNLOAD?
S12	10	S11 AND S9
S13	1	(S3 OR S4) AND S5 AND S12
S14	0	S13 NOT (S1 OR S10)
S15	9	S12 NOT S1
S16	29	S11 AND (S3 OR S4)
S17	4	S11 AND S5
S18	3	S17 NOT (S15 OR S13 OR S10)

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1/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014511003 \*\*Image available\*\*  
WPI Acc No: 2002-331706/200237  
XRPX Acc No: N02-260431

Application distribution system for portable telephone, transmits  
generated executable object to client, based on platform type included in  
accepted application download request

Patent Assignee: TOSHIBA KK (TOKE ); HONDA M (HOND-I)

Inventor: HONDA M

Number of Countries: 028 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1168758	A2	20020102	EP 2001114838	A	20010628	200237 B
US 20020002605	A1	20020103	US 2001892542	A	20010628	200237
JP 2002014821	A	20020118	JP 2000196865	A	20000629	200237

Priority Applications (No Type Date): JP 2000196865 A 20000629

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1168758	A2	E	19	H04L-029/06	

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT  
LI LT LU LV MC MK NL PT RO SE SI TR

US 20020002605 A1 G06F-015/16

JP 2002014821 A 15 G06F-009/445

Abstract (Basic): EP 1168758 A2

NOVELTY - A storage section (HD1) has a prepared module group and a link information table (LT1) for linking the modules as executable objects for respective platforms. A generator (FL1) generates an executable object for the application, based on the platform type in the request input to the request acceptance section (FR1). A transmitter (FS1) transmits the generated executable object to the client.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for computer program for transmitting executable object to client.

USE - To distribute applications to mobile terminal and portable telephone through wireless network.

ADVANTAGE - Provides highly maintainable application distribution without increasing the executable object size for the application. Downloads and stores the application in the client effectively, even if the client cannot send a terminal type to the server. Generates and sends executable object which allows different servers to be substitutively executed for clients and platforms.

DESCRIPTION OF DRAWING(S) - The figure shows an application download server.

Generator (FL1)  
Request acceptance section (FR1)  
Transmitter (FS1)  
Storage section (HD1)  
Link information table (LT1)  
pp; 19 DwgNo 2/10

Title Terms: APPLY; DISTRIBUTE; SYSTEM; PORTABLE; TELEPHONE; TRANSMIT;  
GENERATE; EXECUTE; OBJECT; CLIENT; BASED; PLATFORM; TYPE; ACCEPT; APPLY;  
REQUEST

Derwent Class: T01; W01

International Patent Class (Main): G06F-009/445; G06F-015/16; H04L-029/06

International Patent Class (Additional): G06F-013/00

File Segment: EPI

May 13, 2003

10/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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015093708 \*\*Image available\*\*  
WPI Acc No: 2003-154226/200315

Tickets purchasing method and system for checking and arranging seats  
using Bluetooth modules

Patent Assignee: BIZMODELINE CO LTD (BIZM-N)  
Inventor: HONG J C; KIM J H; KWON B G  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2002069614	A	20020905	KR 20019888	A	20010227	200315 B

Priority Applications (No Type Date): KR 20019888 A 20010227

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2002069614	A	1	H04Q-007/38	

Abstract (Basic): KR 2002069614 A

NOVELTY - A method and a system for purchasing tickets, checking them and arranging seats using Bluetooth modules are provided to purchase and settle a ticket using a Bluetooth module embedded in a **radio** communication equipment, to automatically examine the ticket, and to arrange a seat through the tracking of a user location using a Bluetooth access point installed in a shop.

DETAILED DESCRIPTION - If a Bluetooth-mounted **radio** communication equipment(10) approaches within the service area of a pico-net installed in a theater, the **radio** communication equipment(10) searches for a service for a ticket purchase and supplemental function through an SDP(Service **Discovery** Protocol). If the **radio** communication equipment(10) finds out a desired service normally, the **radio** communication equipment(10) downloads ticket purchase software from a Bluetooth ticket issue server(20) or accesses the Bluetooth ticket issue server(20) through a **wireless** Internet web browser installed in the **radio** communication equipment(10). In case that the Bluetooth-mounted **radio** communication equipment(10) gets out of the service area, the **radio** communication equipment(10) **deletes** the **downloaded software** or terminates the connection with the Bluetooth ticket issue server(20). The pico-net is composed of the Bluetooth ticket issue server(20), a Bluetooth-mounted gate(30), and Bluetooth access points(40). The Bluetooth ticket issue server(20) provides ticket issue and extrinsic services. The Bluetooth-mounted gate(30) makes ticket purchasers admitted into the theater. The Bluetooth access points(40) are installed at specific locations in the theater.

pp; 1 DwgNo 1/10

Title Terms: TICKET; PURCHASE; METHOD; SYSTEM; CHECK; ARRANGE; SEAT; MODULE  
Derwent Class: T01; T05; W01  
International Patent Class (Main): H04Q-007/38  
File Segment: EPI

10/5/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014934271 \*\*Image available\*\*  
WPI Acc No: 2002-754980/200282  
XRPX Acc No: N02-594794

Mobile telephone management method involves erasing software  
installed in telephone; on elapse of contract period preset by rental  
service provision station

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU )  
Number of Countries: 001 Number of Patents: 001

May 13, 2003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002269473	A	20020920	JP 200165982	A	20010309	200282 B

Priority Applications (No Type Date): JP 200165982 A 20010309

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2002269473	A		5 G06F-017/60	

Abstract (Basic): JP 2002269473 A

NOVELTY - A rental service provision station (2) **disconnects** **wireless** connection with a **mobile** telephone (11) and **removes** the **software** installed in the telephone, to avoid usage of telephone by the user, on elapse of contract period preset by the station. The reuse of telephone is enabled to user, by rewriting the installed software.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for **mobile** telephone loan system.

USE - For management of **mobile** telephone usage by user.

ADVANTAGE - Enables low telephone rental charge since the installed software in the **radio** is rewritable.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of the **mobile** telephone management system. (Drawing includes non-English language text).

Rental service provision station (2)

**Mobile** telephone (11)

pp; 5 DwgNo 1/2

Title Terms: **MOBILE** ; TELEPHONE; MANAGEMENT; METHOD; ERASE; SOFTWARE; INSTALLATION; TELEPHONE; ELAPSED; CONTRACT; PERIOD; PRESET; RENT; SERVICE ; PROVISION; STATION

Derwent Class: W01

International Patent Class (Main): G06F-017/60

International Patent Class (Additional): H04B-007/26; H04M-001/00; H04M-015/00

File Segment: EPI

10/5/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014902984 \*\*Image available\*\*

WPI Acc No: 2002-723690/200278

XRFX Acc No: N02-570559

Application downloading method in cellular telephone, involves deleting prestored application with size equal to selected application from memory, when memory is not sufficient to store selected application

Patent Assignee: BERESIN E (BERE-I); NOKIA CORP (OYNO ); NOKIA INC (OYNO ); ZILLIACUS M (ZILL-I)

Inventor: BERESIN E; ZILLIACUS M

Number of Countries: 095 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200279981	A1	20021010	WO 2001IB536	A	20010330	200278 B

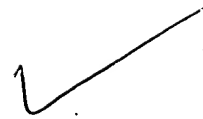
Priority Applications (No Type Date): WO 2001IB536 A 20010330

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 200279981	A1	E 28	G06F-009/445	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

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X Abstract (Basic): WO 200279981 A1

NOVELTY - The application previously stored in memory of mobile terminal, with a size equal to that of application selected for downloading, is deleted from the memory, when the memory is not sufficient to store the selected application. The application selected and received from server is stored in the memory of the mobile terminal.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Seamless link provision method;
- (2) Computer readable medium storing seamless link provision program;
- (3) Mobile terminal; and
- (4) Communication system.

USE - For downloading application to a mobile terminal (claimed) such as cellular telephone, mobile telephone, personal digital assistant, hand-held wireless communication device, etc., from server.

ADVANTAGE - The deletion of prestored application and downloading and storage of the selected application is performed automatically without user intervention.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart explaining the application downloading method.

pp; 28 DwgNo 4/4

Title Terms: APPLY; METHOD; CELLULAR; TELEPHONE; DELETE; APPLY; SIZE; EQUAL; SELECT; APPLY; MEMORY; MEMORY; SUFFICIENT; STORAGE; SELECT; APPLY

Derwent Class: T01; W01

International Patent Class (Main): G06F-009/445

International Patent Class (Additional): G06F-012/00; G06F-013/00

File Segment: EPI

10/5/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014769681 \*\*Image available\*\*

WPI Acc No: 2002-590385/200263

XRFX Acc No: N02-468599

Software providing method for computers, mobile communication device, involves storing essential software downloaded from external source in memory by overwriting portion of non-essential software

Patent Assignee: LIU (LIUU-I); NATARAJAN S (NATA-I); PARCHEM J M (PARC-I); ROVINSKY V (ROVI-I); TJONG S (TJON-I)

Inventor: LIU J; NATARAJAN S; PARCHEM J M; ROVINSKY V; TJONG S

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020092011	A1	20020711	US 2001755874	A	20010105	200263 B

Priority Applications (No Type Date): US 2001755874 A 20010105

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20020092011 A1 11 G06F-009/44

Abstract (Basic): US 20020092011 A1

NOVELTY - Essential software having software necessary to operate a device (106) and to provide external communications within the device, is identified. Remaining portions of software within the device, is identified as non-essential software. New essential software is downloaded from an external source to the device and stored in memory by overwriting a portion of the non-essential software.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

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- (1) Computer readable medium storing program of downloading new essential software from external source;
- (2) Software providing apparatus; and
- (3) Software providing system.

USE - For managing software on devices such as computers, set-top boxes, entertainment centers, mobile communication devices.

ADVANTAGE - Since specified software is identified as non-essential software, new essential software can be downloaded and stored in memory by safely deleting the non-essential software. Different versions of software on devices are effectively managed.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of server-client arrangement.

Client device (106)

pp; 11 DwgNo 1/5

Title Terms: SOFTWARE; METHOD; COMPUTER; MOBILE ; COMMUNICATE; DEVICE; STORAGE; ESSENTIAL; SOFTWARE; EXTERNAL; SOURCE; MEMORY; PORTION; NON; ESSENTIAL; SOFTWARE

Derwent Class: T01

International Patent Class (Main): G06F-009/44

File Segment: EPI

10/5/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014666784 \*\*Image available\*\*

WPI Acc No: 2002-487488/200252

XRPX Acc No: N02-385138

Software environment and user interface for handling software components, especially bots, includes device for storing properties assigned to each component to be installed

Patent Assignee: BOTBOX AB (BOTB-N)

Inventor: ERICSSON J; FINNE N; UPPLANDS S J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SE 200001575	A	20011029	SE 20001575	A	20000428	200252 B

Priority Applications (No Type Date): SE 20001575 A 20000428

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
SE 200001575	A		37	G06F-009/445	

Abstract (Basic): SE 200001575 A

NOVELTY - A device is used to read in properties assigned to software components to be installed, e.g. descriptions, codes, states and data from local and/or removable resources. An installation storage device is used to store properties assigned to each software component to be installed. As soon as one of the stored software components is taken away from the installation storage device, another device (5) is used to remove all the storage properties assigned to the component by the installation storage device. At least one of the electronic devices includes one or more user interaction units, comprising at least one device (1) for offering the user at least part of a local and/or remote resource, or offering the user a reference (e.g. hypertext link) (11) to such a resource, said resource being assigned to at least one software component to be installed, the resource (reference) being offered with the aid of display unit (1), a resource presentation (e.g. resource overview) (3) and a user interface view (2). At least one software component in the resource presentation can be installed using a first device (11, 12) provided in the user interaction unit in order to allowing installation to be carried out using a drag-and-drop technique performed by the user. A second device provided along with or instead of the first device enables an installation of at least one

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software component in the resource presentation to be carried out by single or double-clicking on a mouse, or by selecting from a pop-up menu, keyboard input or voice instruction. A device (2, 5-8, 9A-9C) is provided for organizing, displaying and/or manipulating installed software components according to a common conceptual and interactive method, in the form of files or other entities, which can be nested in folders (8) in a filing system in an operating system and its user interface, e.g. Mac OS or Microsoft Windows. Also possible is a common conceptual structure with resources in a folder hierarchy having a different presentation and interfaction format, e.g. a 3D graphic presentation and interaction, or a voice generating and instruction system, where e.g. installation, deleting, updates, activation and deactivation are carried out interactively. A device is provided for saving and resetting the states of active software components in between user sessions, these active components being understood to mean components which are continually active or repeatedly activated without necessarily being driven by the user activity.

**DETAILED DESCRIPTION** - The software environment and user interface are used to handle software components, e.g. software tools, for activation by devices with a processing capacity, e.g. computers, **personal digital assistants ( PDAs )** or **mobile phones**. The software environment and user interface are either located inside the device or in a different devices which can be connected in contact with each other. At least one of the devices can be connected in contact with local and/or remote resources comprising files on local storage media, e.g. a hard **disk** or **CD - ROM**, and data packets accessible from applications. The remote resources comprise web pages which are read via the Internet, an intranet or via another communication network. An **INDEPENDENT CLAIM** is also included for a computer-readable program-based product used in conjunction with this software environment.

**USE** - For Internet or intranet sites offering personal services, information and community (communal/group) software for the end user.

**ADVANTAGE** - The **installation**, handling and **deletion** of **software** components such as bots or other **software** tools is simplified. A secure and robust execution and handling environment is created for **software** components. The number of user activities required for **installing** and **removing** **software** components is minimized. Previously **installed** **software** components can be completely **removed**. Security settings can be individually regulated for each **software** component. Previously **installed** **software** components, the software environment and user interface can be all be upgraded using installable software components. Cooperation, planning or similar interaction between software components is supported, whilst at the same time unexpected or undesirable interaction is avoided. Active software components which maintain a link between user sessions are supported.

**DESCRIPTION OF DRAWING(S)** - Figure 1A shows the user interface displayed on the screen of a monitor for a computer connected to the Internet (drawing includes non-English language text).

Computer monitor (1)

User interface overview (2)

Resource overview associated with web browser (3)

Icons (5-7)

Folder for storing icons (8)

Icon status indicators (9A-9C)

Hypertext link for e.g. chat program (11)

Icon associated with hypertext link (12)

pp; 37 DwgNo 1A/11

Title Terms: SOFTWARE; ENVIRONMENT; USER; INTERFACE; HANDLE; SOFTWARE;  
COMPONENT; BOT; DEVICE; STORAGE; PROPERTIES; ASSIGN; COMPONENT;  
INSTALLATION

Derwent Class: T01

International Patent Class (Main): G06F-009/445

File Segment: EPI



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10/5/6 (Item 6 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014584180 \*\*Image available\*\*  
WPI Acc No: 2002-404884/200243  
XRPX Acc No: N02-317859

Communication node operating method in wireless communication system,  
involves designating certain services as hidden services which are hidden  
from service requesting entity

Patent Assignee: MOTOROLA INC (MOTI )

Inventor: BHASKARAN P; CLAYTON M; LIU K M; SMITH M; WEISSHAAR B

Number of Countries: 096 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200223925	A2	20020321	WO 2001US29148	A	20010912	200243 B
AU 200192746	A	20020326	AU 200192746	A	20010912	200251

Priority Applications (No Type Date): US 2000662441 A 20000915

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200223925 A2 E 61 H04Q-007/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200192746 A H04Q-007/00 Based on patent WO 200223925

Abstract (Basic): WO 200223925 A2

NOVELTY - Specific services in the communication node are  
designated as hidden services, and are hidden from service requesting  
entity.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the  
following:

(a) Computer readable medium storing communication node  
operation program;

(b) Data processing node;

(c) Communication node;

(d) Communication system;

(e) Method for communication between client and server processes in  
distributed data processing system

USE - In information appliance system for providing services from  
internet and other public or private and government computer based  
networks to wireless equipment, used in car, truck, bus, train,  
aircraft, boat, house, office, school, commercial establishment such as  
car radio, vehicle mounted or handheld PC, PCS, printer PDA,  
facsimile, pager, cellphones in wireless communication system e.g.  
for mobile, cellular, satellite, terrestrial and personal  
communication. Also for providing concierge services such as road  
assistance, emergency calling, remote door unlocking, accident  
reporting and travel condition, vehicle security, stolen vehicle  
recovery, remote vehicle diagnosis, advertising services for gas  
station, hotels, restaurants, stores and offices, tourist services such  
as points of interest, direction, hours of access, etc.

ADVANTAGE - Security requirements of the mobile equipment are  
assured by hiding certain services from external servers and client  
platforms, and thus enabling access of services by applications  
having proper authorization. Dynamic downloading of service code is  
eliminated, and hence the communication is minimized between wireless  
client and server. Distributed and transient services are managed  
effectively, and security of services is improved.

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DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of service framework.

pp; 61 DwgNo 7/14

Title Terms: COMMUNICATE; NODE; OPERATE; METHOD; **WIRELESS** ; COMMUNICATE; SYSTEM; DESIGNATED; SERVICE; HIDE; SERVICE; HIDE; SERVICE; REQUEST; ENTITY

Derwent Class: W01; W02

International Patent Class (Main): H04Q-007/00

File Segment: EPI

10/5/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014583033 \*\*Image available\*\*

WPI Acc No: 2002-403737/200243

Related WPI Acc No: 2001-080735

XRPX Acc No: N02-316841

Dynamic configuration method of portable computer in pervasive computing environment, involves utilizing device description protocol to automatically connect and interact with other devices in network

Patent Assignee: CAI T (CAIT-I); FORD P S (FORD-I); GANDHI A S (GAND-I); GU Y (GUYI-I); KNIGHT H N (KNIG-I); LEACH P J (LEAC-I); ZINTEL W M (ZINT-I)

Inventor: CAI T; FORD P S; GANDHI A S; GU Y; KNIGHT H N; LEACH P J; ZINTEL W M

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020035621	A1	20020321	US 99139137	P	19990611	200243 B
			US 99160235	P	19991018	
			US 2000496318	A	20000201	
			US 2001811236	A	20010316	

Priority Applications (No Type Date): US 2001811236 A 20010316; US 99139137 P 19990611; US 99160235 P 19991018; US 2000496318 A 20000201

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020035621	A1	84	G06F-015/177	Provisional application	US 99139137

Provisional application US 99160235  
Cont of application US 2000496318

Abstract (Basic): US 20020035621 A1

NOVELTY - A computing device introduced into a network, executes device description protocol to automatically collect data for invoking other network devices (106,107) and interact with the other computing devices in the network accordingly.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) Computer readable media storing program for dynamic self-bootstrapping of computer;

(b) Dynamically self-bootstrapping computer;

(c) Automatic introduction of computing device into ad hoc network;

(d) Computer readable medium storing program for introducing computer into ad hoc network

USE - In pervasive computing environment for dynamically configuring portable computing device in ad hoc network for remote control of DTV, VCR, DVD player, DVD recorder, heating, ventilation and air-conditioning equipment, lighting controller, audio/video playback device, handheld computer, smart phone, PC, digital assistant, camera, printer, scanner, camcorder, monitor, game console and audio system and also for data access, IP telephony and electronic commerce application.

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ADVANTAGE - Automatic self-configuration of a newly introduced computing device in a network, **eliminates** need for experienced operator for **installation** and need to **download** driver **software**. The computing device installed automatically releases the configuration setup for interacting with other devices to avoid persistent configurations that might create a configuration maintenance and management burden. Self-bootstrapping has techniques to provide user-friendly names to devices for easy recall and use, and also enables location of a name server without previous knowledge of its address. The introduced computing device also announces its own presence to other devices of the network.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of device architecture per universal plug and play using user control points, controlled devices and bridges for connection between devices.

Network devices (106,107)

pp; 84 DwgNo 1/51

Title Terms: DYNAMIC; CONFIGURATION; METHOD; **PORTABLE** ; COMPUTER; COMPUTATION; ENVIRONMENT; UTILISE; DEVICE; DESCRIBE; PROTOCOL; AUTOMATIC; CONNECT; INTERACT; DEVICE; NETWORK

Derwent Class: T01

International Patent Class (Main): G06F-015/177

File Segment: EPI

10/5/8. (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012532452 \*\*Image available\*\*

WPI Acc No: 1999-338558/199929

XRPX Acc No: N99-253741

**Loading of programs and data in a network system in motor vehicle**

Patent Assignee: BOSCH GMBH ROBERT (BOSC )

Inventor: ELKE D; RODE D; STAUTZ W; ZURMUEHL U

Number of Countries: 020 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 19750365	A1	19990520	DE 1050365	A	19971114	199929 B
WO 9926166	A2	19990527	WO 98DE3293	A	19981111	199929
EP 1031078	A2	20000830	EP 98962243	A	19981111	200042
			WO 98DE3293	A	19981111	

Priority Applications (No Type Date): DE 1050365 A 19971114

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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DE 19750365	A1		9	G06F-009/445	
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WO 9926166	A2	G		G06F-017/00	
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Designated States (National): JP US

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

EP 1031078	A2	G		G06F-009/445	Based on patent WO 9926166
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Designated States (Regional): DE FR IT

Abstract (Basic): DE 19750365 A1

NOVELTY - A local network in a road vehicle has a bus (1) with a user unit (2) that controls a number of units, such as a CD changer (7), a navigation system (8) and a **mobile** telephone (9). The control unit has all operational data and **loaded programs** in a semi conductor memory. The communication network is used to **erase** and load new information.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for a data processing apparatus which is connected to a communications network.

USE - Road vehicle systems

ADVANTAGE - Ease of loading data and programs

DESCRIPTION OF DRAWING(S) - Functional block diagrams

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Communication bus (1)  
User control unit (2)  
CD changer (7)  
Navigation system (8)  
Mobile telephone (9)  
pp; 9 DwgNo 3/4

Title Terms: LOAD; PROGRAM; DATA; NETWORK; SYSTEM; MOTOR; VEHICLE  
Derwent Class: T01  
International Patent Class (Main): G06F-009/445; G06F-017/00  
International Patent Class (Additional): G06K-007/06  
File Segment: EPI

10/5/9 (Item 9 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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009205792 \*\*Image available\*\*  
WPI Acc No: 1992-333213/199241  
Related WPI Acc No: 1996-490500  
XRPX Acc No: N92-254338

Electrically erasable programmable non-volatile ROM - has write-test  
adjuster using two reference levels and field of memory cell  
transistors divided into cell blocks each with NAND cell units  
Patent Assignee: TOSHIBA KK (TOKE )  
Inventor: ARITOME S; ENDOH T; KIRISAWA R; OHUCHI K; SHIROTA R; TANAKA T;  
TANAKA Y

Number of Countries: 003 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 4207934	A	19921001	DE 4207934	A	19920312	199241 B
US 5321699	A	19940614	US 92851286	A	19920312	199423
US 5386422	A	19950131	US 92851286	A	19920312	199511
			US 94229761	A	19940419	
US 5469444	A	19951121	US 92851286	A	19920312	199601
			US 94229761	A	19940419	
			US 94341955	A	19941116	
US 5602789	A	19970211	US 92851286	A	19920312	199712
			US 94229761	A	19940419	
			US 94341955	A	19941106	
			US 95518024	A	19950822	
DE 4207934	C2	19970313	DE 4207934	A	19920312	199715
KR 9602006	B1	19960209	KR 923973	A	19920311	199909

Priority Applications (No Type Date): JP 9172424 A 19910312; JP 9547571 A 19950307

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 4207934	A		32	G11C-016/04	
US 5321699	A		29	G01R-031/28	
US 5386422	A		28	G01R-031/28	Cont of application US 92851286 Cont of patent US 5321699
US 5469444	A		29	G01R-031/28	Cont of application US 92851286 Cont of application US 94229761 Cont of patent US 5321699 Cont of patent US 5386422
US 5602789	A		47	G01R-031/28	Cont of application US 92851286 Cont of application US 94229761 CIP of application US 94341955 Cont of patent US 5321699 Cont of patent US 5386422 CIP of patent US 5469444
DE 4207934	C2		34	G11C-016/04	
KR 9602006	B1			G11C-016/06	

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Abstract (Basic): DE 4207934 A

The non-volatile semiconductor memory system has a field (12) of rows and columns of memory cells which incorporate electrically **erasable** and **programmable** memory **cell** transistors together with load /unload controllers (14) connected to the field, in order to produce a selected field of memory **cell** transistors in the field, and to alter the threshold voltage of the field by varying the amt. of charged electrical carrier in it.

The system incorporates further test devices (32, 38, 40, 42) for proof of the resulting electrical condition of the part field of the memory **cell** transistors by testing their threshold voltages and alterations, using two reference voltages. Such test devices include read units (28) for reading out data from the part field for prodn. of read data, a memory (36) for receiving original data written into the part field and for holding the original data, and comparators (32) connected to the read and memory units, for comparison of the read data with the original data, and for prodn. of a digital comprison signal.

ADVANTAGE - Higher power and reliability.

Dwg. 1/19

Title Terms: ELECTRIC; ERASE; PROGRAM; NON; VOLATILE; ROM; WRITING; TEST; ADJUST; TWO; REFERENCE; LEVEL; FIELD; MEMORY; **CELL** ; TRANSISTOR; DIVIDE; **CELL** ; BLOCK; NAND; **CELL** ; UNIT

Index Terms/Additional Words: **EEPROM**

Derwent Class: U13; U14

International Patent Class (Main): G01R-031/28; G11C-016/04; G11C-016/06

International Patent Class (Additional): G11C-029/00

File Segment: EPI

May 13, 2003

15/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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015130586 \*\*Image available\*\*  
WPI Acc No: 2003-191110/200319  
XRPX Acc No: N03-151422

**Touch panel key layout modification system for mobile telephone,  
determines key layout by analyzing service application downloaded  
from server with key application**

Patent Assignee: NEC CORP (NIDE )  
Inventor: YOSHIKAWA K  
Number of Countries: 002 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002368840	A	20021220	JP 2001167846	A	20010604	200319 B
GB 2378795	A	20030219	GB 200212892	A	20020605	200322

Priority Applications (No Type Date): JP 2001167846 A 20010604

Patent Details:  
Patent No Kind Lan Pg Main IPC Filing Notes  
JP 2002368840 A 7 H04M-001/00  
GB 2378795 A H03M-011/04

Abstract (Basic): JP 2002368840 A

NOVELTY - A server (5) stores a service application and a key application defining the key layout based on the application programming interface. A **mobile** telephone (2) accesses the server (5) and downloads the stored applications. A key layout is determined by analyzing the service application with key application.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for **mobile** telephone.

USE - For changing key layout in touch panel of **mobile** telephone (claimed), PHS terminal, **personal digital assistant ( PDA )**, vehicle telephone, etc.

ADVANTAGE - Operativity is improved as the optimal key layout is selected according to the application to be used.

DESCRIPTION OF DRAWING(S) - The figure shows a systematic diagram of the key layout modification system. (Drawing includes non-English language text).

**Mobile** telephone (2)

Server (5)

pp; 7 DwgNo 1/7

Title Terms: TOUCH; PANEL; KEY; LAYOUT; MODIFIED; SYSTEM; **MOBILE** ;  
TELEPHONE; DETERMINE; KEY; LAYOUT; SERVICE; APPLY; SERVE; KEY; APPLY  
Derwent Class: V06; W01

International Patent Class (Main): H03M-011/04; H04M-001/00

International Patent Class (Additional): G06F-003/02; H04M-001/02;

H04M-001/23; H04M-001/247; H04M-011/08; H04Q-007/38

File Segment: EPI

15/5/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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015085027 \*\*Image available\*\*  
WPI Acc No: 2003-145545/200314

**Application download apparatus and method for Software Defined Radio  
(SDR) terminal receive a necessary software from a random server, and  
reconfigure a terminal system**

Patent Assignee: LG ELECTRONICS INC (GLDS )  
Inventor: KANG M S; KIM H J; PARK C I; SHIN H D  
Number of Countries: 001 Number of Patents: 001

May 13, 2003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
KR 2002071217	A	20020912	KR 200111212	A	20010305	200314 B

Priority Applications (No Type Date): KR 200111212 A 20010305

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
KR 2002071217	A	1	H04L-012/66	

Abstract (Basic): KR 2002071217 A

NOVELTY - The SDR terminals (101A-101N) confirm the existence of SDR software servers(104A-104N) on the basis of a server list provided from APs(102A-102N), receive a necessary software from a random server, and reconfigure a terminal system. The APs(102A-102N) register the SDR software servers(104A-104N) in the server list, inform its position to an AP registration server(105) when a service is started, and connect the SDR terminals(101A-101N) to the SDR software servers(104A-104N) through the Internet(103).

DETAILED DESCRIPTION - The SDR software servers(104A-104N) receive an IP(Internet Protocol) list of the APs(102A-102N) from the AP registration server(105), recognize the received IP list, request registration, and transmit a software list capable of being serviced in a corresponding SDR terminal when a software service request signal is received from the SDR terminals(101A-101N). The AP registration server(105) registers the APs(102A-102N), manages the registered APs(102A-102N), and multicasts a message for informing that a new AP is added to the SDR software servers(104A-104N). System test terminals(106A,106B) connect to the SDR terminals(101A-101N) through system base stations(107A,107B) and certificate whether a reconfigured SDR terminal is normally operated.

ADVANTAGE - An **application download** apparatus and method for an SDR(Software Defined **Radio**) terminal is provided to receive a desired **radio** waveform application from a corresponding SDR software server through an AP(Access Point) in the SDR terminal which installs a local area **wireless** communication system such as a bluetooth or a **wireless** LAN.

pp; 1 DwgNo 1/10

Title Terms: APPLY; APPARATUS; METHOD; SOFTWARE; DEFINE; **RADIO** ; TERMINAL; RECEIVE; NECESSARY; SOFTWARE; RANDOM; SERVE; RECONFIGURE; TERMINAL; SYSTEM

Derwent Class: T01; W01

International Patent Class (Main): H04L-012/66

File Segment: EPI

15/5/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014929383 \*\*Image available\*\*

WPI Acc No: 2002-750092/200281

XRPX Acc No: N02-590764

**Downloadable software image file for peripheral boards in cellular telephone system, has link list which includes record indicating number and size of set of images**

Patent Assignee: KIANG P P (KIAN-I); MCKINNON M Y (MCKI-I)

Inventor: KIANG P P; MCKINNON M Y

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020120595	A1	20020829	US 99327511	A	19990608	200281 B

Priority Applications (No Type Date): US 99327511 A 19990608

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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May 13, 2003

US 20020120595 A1 9 G06F-007/00

Abstract (Basic): US 20020120595 A1

NOVELTY - The downloadable file includes a set of images (10) and a link list (12) in front of the set of images. The link list includes a record for each set of images that indicates a number and size of each image in the set.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) File downloading method;
- (2) Downloading apparatus; and
- (3) Computer usable medium storing file downloading program.

USE - Downloadable software image file for peripheral boards such as cellular base station, code division multiple access (CDMA) radio controller, radio interface board (RIB) in cellular telephone systems.

ADVANTAGE - The speed, convenience and flexibility of downloading a software image file are improved by using the link list, thereby reducing amount of application download time and allows incremental updates of application firmware.

DESCRIPTION OF DRAWING(S) - The figure shows an illustration of the downloadable software image file.

Image (10)

Link list (12)

pp; 9 DwgNo 1/5

Title Terms: SOFTWARE; IMAGE; FILE; PERIPHERAL; BOARD; CELLULAR ;

TELEPHONE; SYSTEM; LINK; LIST; RECORD; INDICATE; NUMBER; SIZE; SET; IMAGE

Derwent Class: T01; W01

International Patent Class (Main): G06F-007/00

File Segment: EPI

15/5/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014902984 \*\*Image available\*\*

WPI Acc No: 2002-723690/200278

XRPX Acc No: N02-570559

Application downloading method in cellular telephone, involves deleting prestored application with size equal to selected application from memory, when memory is not sufficient to store selected application

Patent Assignee: BERESIN E (BERE-I); NOKIA CORP (OYNO ); NOKIA INC (OYNO ); ZILLIACUS M (ZILL-I)

Inventor: BERESIN E; ZILLIACUS M

Number of Countries: 095 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200279981	A1	20021010	WO 2001IB536	A	20010330	200278 B

Priority Applications (No Type Date): WO 2001IB536 A 20010330

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200279981 A1 E 28 G06F-009/445

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

Abstract (Basic): WO 200279981 A1

NOVELTY - The application previously stored in memory of mobile terminal, with a size equal to that of application selected for downloading, is deleted from the memory, when the memory is not



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sufficient to store the selected application. The application selected and received from server is stored in the memory of the **mobile terminal**.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) Seamless link provision method;
- (2) Computer readable medium storing seamless link provision program;
- (3) **Mobile terminal**; and
- (4) Communication system.

USE - For downloading application to a **mobile terminal** (claimed) such as **cellular telephone**, **mobile telephone**, **personal digital assistant**, hand-held **wireless communication device**, etc., from server.

ADVANTAGE - The deletion of prestored application and downloading and storage of the selected application is performed automatically without user intervention.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart explaining the **application downloading method**.

pp; 28 DwgNo 4/4

Title Terms: APPLY; METHOD; **CELLULAR**; TELEPHONE; DELETE; APPLY; SIZE; EQUAL; SELECT; APPLY; MEMORY; MEMORY; SUFFICIENT; STORAGE; SELECT; APPLY  
Derwent Class: T01; W01  
International Patent Class (Main): G06F-009/445  
International Patent Class (Additional): G06F-012/00; G06F-013/00  
File Segment: EPI

15/5/5 (Item 5 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014893212 \*\*Image available\*\*  
WPI Acc No: 2002-713918/200277  
XRPX Acc No: N02-563222

**High level language application downloading method for mobile phone involves replacing codes by reference to those codes to produce a compressed application**

Patent Assignee: SCHLUMBERGER SYSTEMES SA (SLMB ); SCHLUMBERGER MALCO INC (SLMB ); SCHLUMBERGER SYSTEMES (SLMB )

Inventor: CABOS P; DEROUET O

Number of Countries: 100 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200282261	A2	20021017	WO 2002IB1061	A	20020404	200277 B
FR 2823389	A1	20021011	FR 20014643	A	20010405	200278

Priority Applications (No Type Date): FR 20022314 A 20020218; FR 20014643 A 20010405

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200282261	A2	E	23	G06F-009/40	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZM ZW

FR 2823389	A1			H03M-007/30	
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Abstract (Basic): WO 200282261 A2

NOVELTY - Duplicated byte sequences in code of application e.g. applet, (6) are detected, compressed and replaced in original message by addresses of the compressed sequences. Compressed application is

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transmitted by SMS message management server (12) to **mobile** phone (2), loaded into Subscriber Identification Module (SIM), then decompressed and stored in SIM.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for:

1. A SIM which carries out described decompression and storage steps.

2. A server carrying out compression and loading steps.

3. Stored software implementing described method.

USE - For downloading applications to **mobile** phone.

ADVANTAGE - Compresses application so reduces time for downloading application using SMS channel.

DESCRIPTION OF DRAWING(S) - Drawing is a block diagram of a system implementing the method.

**Mobile** phone (2)

Remote server (4)

Application (6)

SIM browser (8)

SMS message management server (12)

Gateway (14)

Interpreter (24)

pp; 23 DwgNo 1/6

Title Terms: HIGH; LEVEL; LANGUAGE; APPLY; METHOD; **MOBILE** ; TELEPHONE; REPLACE; CODE; REFERENCE; CODE; PRODUCE; COMPRESS; APPLY

Derwent Class: T01; W01

International Patent Class (Main): G06F-009/40; H03M-007/30

International Patent Class (Additional): H04Q-007/22; H04Q-007/38

File Segment: EPI

15/5/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014505089 \*\*Image available\*\*

WPI Acc No: 2002-325792/200236

XRPX Acc No: N02-256098

Information delivery server system using **mobile** telephone, has authentication unit which authenticates application by using download identifier, upon receiving download identifier request signal from downloaded application

Patent Assignee: TECH FIRM KK (TEFI-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002091850	A	20020329	JP 2000284010	A	20000919	200236 B

Priority Applications (No Type Date): JP 2000284010 A 20000919

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002091850	A		35	G06F-013/00	

Abstract (Basic): JP 2002091850 A

NOVELTY - An issue unit publishes download identifier based on a download demand from a **mobile** telephone and stores the download identifier in a storage unit. A notifier notifies the identifier corresponding to the demand, to the telephone. An authentication unit authenticates an application by using the download identifier upon receiving the download identifier request signal from the **application** downloaded by the telephone.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) Recorded medium storing application authentication program;

(b) Application authentication method

USE - Information delivery server system using **mobile** telephone.

ADVANTAGE - By using the download identifier, the application can

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be reliably and safely authenticated at the server side without burdening the terminal side, thereby improving the certainty of the authentication.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of information delivery server system. (Drawing includes non-English language text).

pp; 35 DwgNo 1/39

Title Terms: INFORMATION; DELIVER; SERVE; SYSTEM; **MOBILE** ; TELEPHONE;  
AUTHENTICITY; UNIT; APPLY; IDENTIFY; RECEIVE; IDENTIFY; REQUEST; SIGNAL;  
APPLY

Derwent Class: T01; W01

International Patent Class (Main): G06F-013/00

International Patent Class (Additional): G06F-001/00; G06F-015/00;

G06F-017/60; H04M-011/08

File Segment: EPI

15/5/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014505035 \*\*Image available\*\*

WPI Acc No: 2002-325738/200236

XRPX Acc No: N02-256044

Portable terminal e.g. digital cellular telephone downloads  
functional set from external memory to execute application

Patent Assignee: SONY CORP (SONY )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002091770	A	20020329	JP 2000276067	A	20000912	200236 B

Priority Applications (No Type Date): JP 2000276067 A 20000912

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002091770	A		14	G06F-009/445	

Abstract (Basic): JP 2002091770 A

NOVELTY - An application downloaded from external memory is executed using functional set e.g. SIM application toolkit (SAT), also downloaded from external memory, when SIM card does not correspond to SAT function.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for application execution method.

USE - For use as digital cellular telephone.

ADVANTAGE - Applications can be executed even without a subscriber identity module (SIM) by downloading SIM application toolkit (SAT) from external memory.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart for application execution in mobile telephone. (Drawing includes non-English language text).

pp; 14 DwgNo 5/5

Title Terms: **PORTABLE** ; TERMINAL; DIGITAL; **CELLULAR** ; TELEPHONE; FUNCTION  
; SET; EXTERNAL; MEMORY; EXECUTE; APPLY

Derwent Class: T01

International Patent Class (Main): G06F-009/445

International Patent Class (Additional): G06F-015/02

File Segment: EPI

15/5/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014362149 \*\*Image available\*\*

May 13, 2003

WPI Acc No: 2002-182850/200224

XRPX Acc No: N02-139036

**Linguistic learning system for network application , downloads  
learning and teaching material digital contents from web system, using  
portable and mobile terminals**

Patent Assignee: NEC CORP (NIDE )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002014608	A	20020118	JP 2000199563	A	20000630	200224 B

Priority Applications (No Type Date): JP 2000199563 A 20000630

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2002014608	A		6 G09B-019/06	

Abstract (Basic): JP 2002014608 A

NOVELTY - The system (10) provides linguistic learning service to several terminals (21-23) on a network. The learning and teaching material digital contents maintained at web system are downloaded, using a **portable** terminal and a **mobile** terminal.

USE - For learning foreign languages such as English, for network application.

ADVANTAGE - Since learning contents are downloaded utilizing **portable** and **mobile** terminals, effective of learning is improved and economical linguistic learning system is provided according to user's wish

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of linguistic learning system. (Drawing includes non-English language text).

Linguistic learning system (10)

Terminals (21-23)

pp; 6 DwgNo 1/2

Title Terms: LEARNING; SYSTEM; NETWORK; APPLY; LEARNING; TEACH; MATERIAL; DIGITAL; CONTENT; WEB; SYSTEM; **PORTABLE** ; **MOBILE** ; TERMINAL

Derwent Class: P85; T01; W01; W02; W04

International Patent Class (Main): G09B-019/06

International Patent Class (Additional): G06F-017/60; G09B-005/06;

G09B-005/08; G09B-007/02; H04B-007/24; H04Q-007/38

File Segment: EPI; EngPI

15/5/9 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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014352191 \*\*Image available\*\*

WPI Acc No: 2002-172892/200223

XRPX Acc No: N02-131350

**Application downloading method of cellular communication network,  
involves downloading chosen application from application database to  
mobile terminal and storing chosen application's lifetime's indicia in  
license database**

Patent Assignee: NOKIA CORP (OYNO )

Inventor: KASZONYI G; ZILLIACUS M

Number of Countries: 026 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1130495	A2	20010905	EP 2000660234	A	20001218	200223 B

Priority Applications (No Type Date): US 99470303 A 19991222

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
EP 1130495	A2	E 12	G06F-001/00	

Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

May 13, 2003

LI LT LU LV MC MK NL PT RO SE SI TR

Abstract (Basic): EP 1130495 A2

NOVELTY - An application is chosen from several applications (244) stored in a database. A lifetime of chosen application representing time during which the application is to be executed is selected and the chosen application is downloaded to the **mobile** terminal (210). An indicia of the lifetime is stored in an application license database (232).

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for apparatus for downloading application to the **mobile** terminal.

USE - For downloading applications from **cellular** communication network to devices like **mobile** terminals, **personal digital assistants**, communicators, smart phones, personal computers, etc.,

ADVANTAGE - By storing the selected lifetime in a database, the user can download the application at a later time at reduced cost or without any cost.

DESCRIPTION OF DRAWING(S) - The figure shows the functional block diagram of communication system.

**Mobile** terminal (210)

Application license database (232)

Applications (244)

pp; 12 DwgNo 2/4

Title Terms: APPLY; METHOD; **CELLULAR** ; COMMUNICATE; NETWORK; CHOICE; APPLY ; APPLY; DATABASE; **MOBILE** ; TERMINAL; STORAGE; CHOICE; APPLY; LIFETIME; INDICIA; LICENCE; DATABASE

Derwent Class: T01; W01

International Patent Class (Main): G06F-001/00

File Segment: EPI

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18/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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015154667 \*\*Image available\*\*  
WPI Acc No: 2003-215194/200321  
XRPX Acc No: N03-171774

Computer system for performing control program expands application stored  
in non-volatile memory before taking out next warning during system  
switch-ON

Patent Assignee: MITSUBISHI ELECTRIC CORP (MITQ )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2003036173	A	20030207	JP 2001222152	A	20010723	200321 B

Priority Applications (No Type Date): JP 2001222152 A 20010723

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2003036173	A	23	G06F-009/445	

Abstract (Basic): JP 2003036173 A

NOVELTY - A warning that an application currently performed before  
system restarting is not stored is informed when application performed  
just before system restarting and application stored in non-volatile  
memory are not the same. The stored application is expanded before  
taking out next warning during system switch-ON.

DETAILED DESCRIPTION - A discrimination unit determines whether  
the application performed before restarting of system and the  
application stored in non-volatile memories (1-9,1-10) are the same  
when expanding the application in volatile memory (1-8) during system  
switch-ON. A downloading unit (1-6) downloads the stored application in  
the volatile memory, without saving the application of a maintenance  
tool (1-2). A processor (1-1) includes the volatile memory which  
performs the application (18a), the non-volatile memory which stores  
the application, and the maintenance tool which generates the  
application downloaded to the processor and imparts storing time of  
application.

USE - For performing control program.

ADVANTAGE - Enables management of application performed in any  
situations. Attains cost reduction by optimally using memory for  
application execution and memory for saving application. Eliminates  
wasteful processing time of CPU. Improves operation output. Performs  
accurate control and accurate processing of requirement from  
maintenance tool. Improves reliability of program.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of  
the computer system. (Drawing includes non-English language text).

Processor (1-1)  
Maintenance tool (1-2)  
Downloading unit (1-6)  
Volatile memory (1-8)  
Non-volatile memories (1-9,1-10)  
Application (18a)  
pp; 23 DwgNo 1/35

Title Terms: COMPUTER; SYSTEM; PERFORMANCE; CONTROL; PROGRAM; EXPAND; APPLY  
; STORAGE; NON; VOLATILE; MEMORY; WARNING; SYSTEM; SWITCH

Derwent Class: T01; U14

International Patent Class (Main): G06F-009/445

International Patent Class (Additional): G06F-009/50

File Segment: EPI

18/5/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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May 13, 2003

013258891 \*\*Image available\*\*

WPI Acc No: 2000-430774/200037

XRPX Acc No: N00-321475

**Television set-top box is implemented with layered software architecture that allows configuration of functionality of application and middleware layer independent of operating system and hardware layer**

Patent Assignee: GEN INSTR CORP (GENN )

Inventor: MEANDZIJA B N

Number of Countries: 088 Number of Patents: 007

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200024192	A1	20000427	WO 99US21983	A	19990922	200037 B
AU 9961584	A	20000508	AU 9961584	A	19990922	200037
EP 1123620	A1	20010816	EP 99948392	A	19990922	200147
			WO 99US21983	A	19990922	
BR 9914604	A	20011211	BR 9914604	A	19990922	200203
			WO 99US21983	A	19990922	
KR 2001080210	A	20010822	KR 2001704828	A	20010417	200213
CN 1326638	A	20011212	CN 99813491	A	19990922	200225
JP 2002528971	W	20020903	WO 99US21983	A	19990922	200273
			JP 2000577830	A	19990922	

Priority Applications (No Type Date): US 98104777 P 19981019

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200024192 A1 E 76 H04N-005/00

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN  
CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ  
LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK  
SL TJ TM TR TT UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 9961584 A H04N-005/00 Based on patent WO 200024192

EP 1123620 A1 E H04N-005/00 Based on patent WO 200024192

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI  
LU MC NL PT SE

BR 9914604 A H04N-005/00 Based on patent WO 200024192

KR 2001080210 A H04N-007/20

CN 1326638 A H04N-005/00

JP 2002528971 W 78 H04N-007/173 Based on patent WO 200024192

Abstract (Basic): WO 200024192 A1

NOVELTY - The computer program code stored in **computer readable medium** is executed to implement layered software architecture (200) which allows configuration of functionality of application layer and middleware layer independently of operating system layer and hardware layer.

DETAILED DESCRIPTION - The application layer of implemented layer software architecture allows user to interact with the terminal. The middleware layer supports the application layer by providing application program interfaces (APIs). The operating system layer supports the operating system layer. The set top management layer implements state information module to designate states of resources of the terminal. An INDEPENDENT CLAIM is also included for layered software architecture implementing method for television set-top terminal.

USE - The television set-top box with configurable functionality is used for supporting video on demand (VOD), pay per view, interactive shopping, electronic commerce, home banking, navigation, gaming, distance learning and for enabling internet connectivity and possibly internet based telephony and also for supporting various types of functionality such as secure controlled access of resources, **application download**, registration, start, stop and monitoring and management of audio, video and data representations and especially for

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use with virtually any type of networks including communication networks, local area networks (LAN), metropolitan area networks, wide area networks internet and internet.

ADVANTAGE - Set-top software progresses from relatively simple functionality, small unstructured memory and processing cycle-saving to relatively complex functionality, larger structured, memory and processing cycles intensive secure controlled access of resources, **application download**, registration, start, stop and monitoring resource download, registration and management of audio, video data presentation and some additional functionality.

DESCRIPTION OF DRAWING(S) - The figure shows program explaining software architecture.

Software architecture (200)

pp; 76 DwgNo 2/10

Title Terms: TELEVISION; SET; TOP; BOX; IMPLEMENT; LAYER; SOFTWARE; ARCHITECTURE; ALLOW; CONFIGURATION; FUNCTION; APPLY; LAYER; INDEPENDENT; OPERATE; SYSTEM; HARDWARE; LAYER

Derwent Class: T01; W03

International Patent Class (Main): H04N-005/00; H04N-007/173; H04N-007/20

International Patent Class (Additional): H04N-005/44

File Segment: EPI

18/5/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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013106152 \*\*Image available\*\*

WPI Acc No: 2000-278023/200024

XRPX Acc No: N00-209366

Application download **resuming procedure for communication network**

Patent Assignee: NEC CORP (NIDE )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000076158	A	20000314	JP 98244092	A	1998082	200024 B

Priority Applications (No Type Date): JP 98244092 A 19980828

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000076158	A		13	G06F-013/00	

Abstract (Basic): JP 2000076158 A

NOVELTY - After a server (6) forwards a file to a client (1) after the client has forwarded a file to the server, the client determines if file forwarding is to be continued or not. When the file forwarding is **discontinued**, the restart of file forwarding is indicated to the server from the client. The file stored by the server is then sent to the client. DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for an **application download resuming system**.

USE - For communication network.

ADVANTAGE - Enables automatic execution of application forwarded to client, thereby reducing network load. DESCRIPTION OF DRAWING(S) - The figure is the block diagram of the components of an **application download resuming system**. (1) Client; (6) Server.

Dwg.1/5

Title Terms: APPLY; RESUME; PROCEDURE; COMMUNICATE; NETWORK

Derwent Class: T01

International Patent Class (Main): G06F-013/00

File Segment: EPI



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File 348:EUROPEAN PATENTS 1978-2003/Apr W04

(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20030508,UT=20030501

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Set	Items	Description
S1	176	APPLICATION()DOWNLOAD?
S2	562159	LOAD? OR DOWNLOAD? OR INSTALL? OR SETUP? OR SETTING()UP OR RELOAD?
S3	800236	DELET? OR REMOV? OR ELIMINATE? OR ERAS?
S4	2040675	SOFTWARE OR PROGRAM? OR APPLICATION? OR OS OR OPERATING()S- YSTEM
S5	917966	COMPUTER()READABLE()MEDIUM OR DISC? OR DISK? OR CD OR CDS - OR CD()ROM OR DVD OR HDD
S6	464882	HPC OR HPCS OR PIM OR PERSONAL() (DIGIT?? OR INFORMATION) ()- (ASSIST? OR MANAG? OR ORGANI?ER) OR CELL OR CELLULAR OR CORDL- ESS OR HANDHELD OR PORTABLE OR MOBILE OR RADIO OR WIRELESS
S7	21190	PAGER OR PDA OR PDAS OR (PERSONAL OR PRIVATE) (1W) (DIGITAL OR DATA OR INFORMATION) () (ASSISTANT? OR ORGANIZER? OR TERMIN- AL? OR DEVICE?) OR VISOR OR HANDSPRING OR PALM () (PILOT? OR V- II)
S8	467810	S6 OR S7
S9	2181	S2(5N)S3(5N)S4
S10	3	S1(S)S9(S)S5(S)S8
S11	171	S1(S) (S3 OR S4)
S12	10	S11(S)S5(S)S8
S13	8	S12 NOT S10
S14	13	S1(S)S5(S)S8
S15	2	S14 NOT (S13 OR S10)

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10/5,K/1 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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01000504 \*\*Image available\*\*

SYSTEM AND METHOD FOR PROVIDING SUBSCRIBED APPLICATIONS ON WIRELESS DEVICES  
OVER A WIRELESS NETWORK

SYSTEME ET PROCEDE POUR FOURNIR DES APPLICATIONS SOUSCRITES SUR DES  
DISPOSITIFS SANS FIL PAR L'INTERMEDIAIRE D'UN RESEAU SANS FIL

Patent Applicant/Assignee:

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Legal Representative:

WADSWORTH Philip R (et al) (agent), Qualcomm Incorporated, 5775 Morehouse  
Drive, San Diego, CA 92121, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200330559 A2 20030410 (WO 0330559)

Application: WO 2002US25749 20020813 (PCT/WO US0225749)

Priority Application: US 2001929220 20010813

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04Q

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 6270

English Abstract

A system and method for the provision of downloadable subscription-based software applications to one or more wireless devices where the applications are downloadable from one or more application download servers across a wireless network. An accounting module receives subscription-based application download data from the one or more application download servers for each subscription-based application downloaded by a wireless device, and subscription-based application deletion data from each wireless device that has deleted a subscription-based application. The accounting module accounts for the use of the subscribed software applications based upon the subscription-based software application download data and subscription-based application deletion data.

French Abstract

L'invention concerne un systeme et un procede permettant de fournir des applications de logiciel telechargeables, fondees sur la souscription, a un ou plusieurs dispositifs sans fil, lesdites applications pouvant etre telechargees a partir d'un ou de plusieurs serveurs de telechargement d'applications a travers un reseau sans fil. Un module de comptabilisation recoit les donnees de telechargement d'applications fondees sur la souscription, d'un ou de plusieurs serveurs de

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telechargement d'applications pour chaque application fondee sur la souscription telechargee par un dispositif sans fil, ainsi que des donnees d'annulation d'application fondee sur la souscription provenant de chaque dispositif sans fil qui a annule une application fondee sur la suscription. Le module de comptabilisation comptabilise l'utilisation des applications de logiciel souscrites sur la base des donnees de telechargement d'application de logiciel fondee sur la souscription et des donnees d'annulation d'application fondee sur la souscription.

Legal Status (Type, Date, Text)

Publication 20030410 A2 Without international search report and to be republished upon receipt of that report.

Fulltext Availability:

Claims

Claim

... to be executable on the wireless device, and each wireless device selectively transmitting subscription-based application deletion data for any downloaded subscription-based application that has been deleted by the wireless device; one or more application download servers, each application download server selectively communicating with the one or more wireless devices across the wireless network and downloading to the wireless devices at least one subscription-based software application, each application download server generating subscription-based application download data for each subscription-based software application downloaded by a wireless device therefrom; and an accounting module to account for the use of subscription-based software applications by each wireless device, the accounting module receiving subscriptionbased application download data from the one or more application download servers and subscription-based application deletion data from each wireless device, and wherein the accounting is based upon the subscription-based software application download data and subscription-based application deletion data. [c2] 2. The system of claim 1, wherein the accounting module is resident on the application download server from which a subscription-based software application was downloaded. [6] 3. The system of claim 1, wherein the accounting module is resident on an application download server. [c4] 4. The system of claim 1, wherein upon deletion of a subscription-based software application, the wireless device bridges a communication link with the one or more application download servers and transmits subscription-based application deletion data to the one or more application download servers. [0] 5. The system of claim 4, wherein the one or more application download servers receive subscription-based application deletion data from a wireless device and send the subscription-based application deletion data to the accounting module. [c6] 6. The system of claim 5, wherein the accounting module selectively receives subscription-based application deletion data transmitted from the one or more download servers. [0] 7. The system of claim 1, wherein the accounting module receives subscription-based application deletion data directly from a wireless device that has deleted a subscription-based application. MI 8. The system of claim 1, wherein the wireless device is a cellular telephone. [C91] 9. The system of claim 1, wherein the wireless device is a personal digital assistant. [CIO] 10. The system of claim 1, wherein the wireless device is a pager. [C11] 11. A system for providing downloadable subscription-based software across a wireless network, comprising:  
wireless communication means for selectively communicating with the wireless network and selectively downloading one or more subscription-based software applications to be executable on the wireless communication means, the wireless communication means

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selectively transmitting subscription-based application deletion data for any downloaded subscription-based application that has been deleted by the

wireless communication means;

application download means for selectively communicating with the wireless communication means across the wireless network and downloading at least one subscription-based software application thereto, each application download means generating software application download data for each subscription-based software application downloaded to a wireless communication means therefrom; and

an accounting means for accounting for the use of the subscription-based software application by the wireless communication means, the accounting means receiving subscription-based software application download data from the application download means and subscription-based application deletion data from the wireless communication means, and wherein the accounting is based upon the subscription-based application download data and subscription-based application deletion data. [c12] 12. A method for providing downloadable subscription-based software on one or more wireless devices in selective communication with one or more application download servers across a wireless network, the method comprising the steps of: selectively downloading one or more subscription-based software applications from an application download server to a wireless device, the downloaded subscription based software applications executable on the wireless device; generating at the application download server subscription-based application download data for each subscription-based software application downloaded by a

wireless device therefrom;

selectively transmitting subscription-based application deletion data from each wireless device that has deleted a subscription-based software application to an accounting module; and

accounting for the use of subscription-based software applications by each wireless device on the accounting module, the accounting based upon the subscription-based software application download data and subscription-based application deletion data. [c 13] 13. The method of claim 12, wherein the step of accounting for the use of subscription-based software applications by each wireless device occurs on an accounting module resident on the application download server from which a subscription-based software application was downloaded. [c 14] 14. The method...wherein the step of accounting for the use of subscription-based software applications by each wireless device occurs on an accounting module resident on an application download server. [c 15] 15. The method of claim 12, further comprising the step of, prior to the step of selectively transmitting subscription-based application deletion data from each wireless device, the wireless device bridging a communication link to the one or more application download servers after the wireless device has deleted a subscription-based software application. [c 16] 16. The method of claim 12, wherein the step of accounting for the use of subscription-based software applications by each wireless device occurs on an accounting module located remotely from the one or more application download servers. [c 17] 17. The method of claim 16, further comprising the steps of receiving the transmitted subscription-based application deletion data at an application download server and sending the subscription-based application deletion data to the accounting module. [c 18] 18. The method of claim 16, wherein the step of selectively transmitting subscription-based application deletion data from each wireless device to an accounting module is selectively transmitting subscription-based application deletion data from each wireless device directly to the accounting module located remotely from the one or more application download servers. [c 19] 19. A method for providing downloadable subscription-based software on one or more wireless devices in

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selective communication with one or more application download servers across a wireless network, the method comprising the steps of: a download step for selectively downloading one or more subscription-based software applications from an application download server to a wireless device, the subscription-based software applications executable on the wireless device; a subscription-based application download data generation step for generating at the application download server subscription-based application download data for each subscription-based software application downloaded by a wireless device therefrom; a subscription-based application deletion data transmission step for selectively transmitting subscription-based application deletion data from each wireless device that has deleted a subscription-based software application to an accounting module; and an accounting step for accounting for the use of subscription-based software applications by each wireless device on the accounting module, the accounting based upon the subscription-based software application download data and subscription-based application deletion data.

[c20] 20. An accounting module for accounting for the use of subscription-based software applications by one or more wireless devices in selective communication with one or more application download servers across a wireless network, wherein each wireless device selectively downloads from an application download server one or more subscription-based software applications to be executable on the wireless device and each wireless device that has deleted a subscription-based software application selectively transmits subscription-based application deletion data to the accounting module, and each application download server generates application download data for each subscription-based software application downloaded by a wireless device therefrom, and wherein the accounting module receives subscription-based application download data from the one or more application download servers and subscriptionbased application deletion data from the one or more wireless devices, and accounts based upon the subscription-based application download data and the subscriptionbased application deletion data. [c21] 21. The accounting module of claim 20, wherein the accounting module is resident on an application download server. [c22] 22. The accounting module of claim 20, wherein the accounting module is located remotely to the one or more application download servers. [c23] 23. The accounting module of claim 22, wherein the accounting module receives the subscription-based application deletion data from the one or more application download servers. [c24] 24. The accounting module of claim 20, wherein the accounting module receives the subscription-based application deletion data directly from the one or more wireless devices. [c25] 25. In a computer readable medium, a program that directs a computer to account for the use of subscription-based software applications by one or more wireless devices in selective communication with one or more application download servers across a wireless network through performing the steps of: receiving subscription-based application download data from the one or more application download servers, the subscription-based application download data for each subscription-based software application downloaded by a wireless device from the one or more application download servers; receiving subscription-based application deletion data from each wireless device that has deleted a subscription-based software application; and accounting for the use of subscription-based software applications by each wireless device based upon the subscription-based software application download data and subscription-based application deletion data.

May 13, 2003

00987206    \*\*Image available\*\*

**SYSTEM AND METHOD FOR TEMPORARY APPLICATION COMPONENT DELETION AND RELOAD  
ON A WIRELESS DEVICE**

**SYSTEME ET PROCEDE DE SUPPRESSION TEMPORAIRE ET DE RECUPERATION D'ELEMENTS  
D'UNE APPLICATION DANS UN DISPOSITIF SANS FIL**

Patent Applicant/Assignee:

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OLIVER Mitchell B, 9737 Caminito Suelto, San Diego, CA 92131, US,  
LEKVEN Eric J, 7961 Via Orilla, Carlsbad, CA 92009, US,

Legal Representative:

WADSWORTH Philip R (et al) (agent), 5775 Morehouse Drive, San Diego, CA  
92121, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200317631 A1 20030227 (WO 0317631)

Application: WO 2002US25466 20020808 (PCT/WO US0225466)

Priority Application: US 2001929250 20010813

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: H04M-003/00

International Patent Class: G06F-012/00

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 5800

**English Abstract**

A system (10) and method for managing the deleting and reloading of software application components on a wireless device, such as a cellular telephone (12), personal digital assistant (18), pager (20), or other computer platform (22). The wireless device has one or more resident executable software applications wherein each application has one or more application components and application-associated data, such as software licenses and user-specific data. The wireless device selectively deletes one or more application components (86, 88) of the resident software applications without loss of the application-associated data to clear resources on the wireless device (92), and selectively prompts an application download server across a wireless network to transmit deleted application components needed to be re-installed on the wireless device (94) to execute the application.

**French Abstract**

L'invention concerne un systeme (10) et un procede destines a gerer la suppression et la recuperation d'elements d'une application logicielle dans un dispositif sans fil, tel qu'un telephone cellulaire (12), un assistant numerique (18), un radiomessageur (20) ou autre plate-forme informatique (22). Le dispositif sans fil contient une ou plusieurs applications logicielles residentes executables comportant chacune un ou plusieurs elements d'une application et des donnees associees aux applications, tels qu'un permis d'utilisation de logiciel ou des donnees

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specifiques utilisateurs. Le dispositif sans fil supprime selectivement un ou plusieurs elements (86, 88) des applications logicielles residentes, sans perte de donnees associees auxdites applications, aux fins de liberer des ressources dans le dispositif sans fil (92). Le dispositif sans fil demande ensuite selectivement a un serveur de telechargement d'applications d'un reseau sans fil de transmettre les elements d'application supprimes qui doivent etre reinstalles dans le dispositif sans fil (94) pour executer l'application.

Legal Status (Type, Date, Text)

Publication 20030227 A1 With international search report.

Publication 20030227 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Fulltext Availability:

Detailed Description

Claims

Detailed Description

... The step of establishing a communication link is preferably establishing a communication link through a **cellular** telecommunication network, especially if the **wireless** device is a **cellular** telephone or **pager**. The establishing of a communication link typically occurs upon the **wireless** device intending to execute a resident software application for which one or more associated components have been deleted, and **wireless** device can prompt the user to make a communication link to the **application download** server to retrieve a copy of the **deleted** component, if necessary. [0012] The step of selectively deleting at the **wireless** device one or more application components of the one or more resident software applications preferably occurs at the direction of the user of the **wireless** device when the user desires to clear resources to **download** a new **software application** that will require the resources. However, the **deletion** can occur as determined by the **wireless** device managing its resources in accord with the actions of the user seeking to download applications which requires the freeing of system resources. [0013] The present invention also includes a **wireless** device itself that can function in the inventive system, and a program in a **computer readable medium** that directs a **wireless** device having a computer platform to perform the steps of the inventive method. [0014] Accordingly allow a **wireless** device to delete certain components of its resident software applications while maintaining important data for...

...licenses and userspecific data, to maximize the utilization of computer resources, such as storage. The **wireless** device can still execute the **software** application for which components have been deleted by retrieving copies of the **deleted software** components through the **wireless** network from the **application download** server. The invention thus provides an advantage to the user of the **wireless** device through efficient usage of the **wireless** device system resources such that the user can have ready access to a larger amount of executable software applications than can be completely stored on the **wireless** device. While the component deletion and reloading processes can be at the direction of the user, the processes can also be fully automated on the **wireless** device such that the processes are transparent to the user. [0015] Other objects, advantages, and...The present inventive system and method manages this limitation of storage capacity through the selective **deletion** and **reloading** of individual **software application** components, as is further described herein. [0026] With reference to FIG. 3, there is shown...the computer platform 50, and may even be present purely in machine code on the **wireless** device 12,18,20,22 with no **discernable** file structure. In the Files 60 is the API, which here is shown as binary...

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...62, which is the API used by QUALCOMM to interact with software applications on the **wireless** device computer platform 50. The BREW 62 files include application files 64, and one file is game of chess 66 that has been downloaded from the **application download** server 16 and is now resident on the local database 58 of the computer platform 50 of the **wireless** device. For purposes of illustration, the chess 66 application is a resident software application of the **wireless** device. [0027] The chess 66 application includes several software components 68, such as the files...execution of the game of chess are easily duplicated with a copy transmitted from the **application download** server 16, while the associated-application data, such as the scores 70 and the license application components from the **application download** server 16 while maintaining the non-retrievable application-associated data, such as a license, or...

...other space-managing components, can trigger a prompt to the user to ask if the **application** components for chess can be **removed** so that the requested **downloaded application** can be placed on the computer platform 50. Otherwise, the BREW API 62 can determine...

...Through the separation of essential and non-essential files on the computer platform 50, the **wireless** device can selectively delete one or more of the application components 68 of the one...

#### Claim

##### CLAIMS

[c1] 1. A system for managing the **loading** and **deletion** of **software application** components on a **wireless** device in selective communication with a **wireless** network, comprising:

at least one **wireless** device having one or more resident executable software applications wherein each software application includes one or more application components and application associated data;

at least one **application download** server on the **wireless** network, the application server selectively communicating with the at least one **wireless** device and downloading software applications and application components to the one or more **wireless** devices across the **wireless** network; and

wherein the at least one **wireless** device selectively deletes one or more application components of the one or more resident software applications without loss of the application-associated data, selectively prompts the application server across the **wireless** network for transmission of one or more application components, and installs the transmitted one or...

...the one or more resident applications including the installed application components are executable on the **wireless** device. [c2] 2. The system of claim 1, wherein the application-associated data includes a ...wherein the application-associated data includes application components necessary to execute the application on the **wireless** device.

[c5] 5. The system of claim 1, wherein the **wireless** device is a **cellular** telephone. [c6] 6. The system of claim 1, wherein the **wireless** device is a **personal digital assistant**. [C] 7. The system of claim 1, wherein the **wireless** device is a **pager**. [c8] 8. A system for

managing the **loading** and **deletion** of **software application** components on a **wireless** communication means, comprising:

**wireless** communication means for selectively communicating over a **wireless** network, the **wireless** communication means having one or more resident executable software applications wherein each software application includes one or more application components and application associated data;

**application download** means for selectively downloading software applications and application components to the **wireless** communication means across the **wireless** network; and wherein the **wireless** communication means selectively deletes one or more application



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components of the one or more resident software applications without loss of the application-associated data, selectively prompts the **application download** means across the **wireless** network for transmission of one or more application components, and installs the transmitted one or ...that the one or more resident applications including the installed components are executable on the **wireless** communication means. [C9] 9. A method for managing the **loading** and **deletion** of components of one or more **software applications** resident on a **wireless** device, each software application including one or more application components and application-associated data, and the **wireless** device in selective communication with one or more **application download** servers over a **wireless** network,

the method comprising the steps of:

selectively deleting at the **wireless** device one or more application components of the one or more resident software ...applications without loss of the application-associated data; selectively establishing a communication link from the **wireless** device to an **application download** server wherein **wireless** device prompts the **application download** server for

transmission of one or more **deleted application** components;

transmitting the one or more **deleted application** components from the **application**

**download** server to the **wireless** device; and

**installing** at the **wireless** device the transmitted one or more application components such that the one or more resident applications including the installed application components are executable on the **wireless** device

[C10] 10. The method of claim 9, wherein the step of establishing a communication link is establishing a communication link through a **cellular** telecommunication network. [C11] 11. The method of claim 9, wherein the step of establishing a communication link occurs upon the **wireless** device intending to execute a resident software application for which one or more associated components...

...M] 12. The method of claim 9, wherein the step of selectively deleting at the **wireless** device one or more application components of the one or more resident software applications is of the user of the **wireless** device. [c 13] 13. The method of claim 12, wherein the step of establishing a communication link occurs upon a user of the **wireless** device prompting the **application download** server to transmit over the **wireless** network one or more application components for a resident software application for which one or...

...14] 14. The method of claim 9, wherein the step of selectively deleting at the **wireless** device one or more application components of the one or more resident software applications is application components of the one or more resident software application is determined by the **wireless** device. [c 15] 15. A method for managing the **loading** and **deletion** of components of one or more **software applications** resident on a **wireless** device, software application including one or more application components and application-associated data, and the **wireless** device in selective communication with one or more **application download** servers over a **wireless** network, the

method comprising the steps of:

a deletion step for selectively deleting at the **wireless** device one or more application components of the one or more resident software applications without ...the application associated data;

a communication step for selectively establishing a communication link from the **wireless** device to an **application download** server wherein **wireless** device prompts the **application download** server for transmission of one or more **deleted application** components; a transmission step for transmitting the one or more **deleted application** components from

the **application download** server to the **wireless** device; and

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an installation step for installing at the wireless device the transmitted one or more application components such that the one or more resident applications including the installed application components are executable on the wireless device [c16] 16. A wireless device having one or more resident software applications wherein each application includes one or more application components and application-associated data, the wireless device in selective communication over a wireless network with at least one application server that selectively downloads software applications and application components to the wireless device, the wireless device further selectively deleting one or more application components of the one or more resident software applications without loss of the application-associated data, selectively prompting the application download server across the wireless network for transmission of one or more deleted application components, and installing the transmitted one or more application components such that the one or more resident applications including the installed components are executable on the wireless device. [c17] 17. The wireless device of claim 16, wherein the wireless device is a cellular telephone. [c18] 18. The wireless device of claim 16, wherein the wireless device is a personal digital assistant. [c19] 19. The wireless device of claim 16, wherein the wireless device is a pager. [c20] 20. In a computer readable medium, a program that directs a wireless device having a computer platform and one or more resident software applications wherein each software...deleting one or more application components of one or more software applications resident on the wireless device, the deletion occurring without loss of the application-associated data; selectively establishing a communication link over a wireless network to an application download server wherein the wireless device prompts the application download server for transmission of one or more application components that were deleted from a resident application; and installing at the wireless device the transmitted one or more application components such that the one or more resident applications including the installed application components are executable on the wireless device.

10/5,K/3 (Item 3 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00806382

METHOD FOR AFFORDING A MARKET SPACE INTERFACE BETWEEN A PLURALITY OF MANUFACTURERS AND SERVICE PROVIDERS AND INSTALLATION MANAGEMENT VIA A MARKET SPACE INTERFACE

PROCEDE DE MISE A DISPOSITION D'UNE INTERFACE D'ESPACE DE MARCHE ENTRE UNE PLURALITE DE FABRICANTS ET DES FOURNISSEURS DE SERVICES ET GESTION D'UNE INSTALLATION VIA UNE INTERFACE D'ESPACE DE MARCHE

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Patent and Priority Information (Country, Number, Date):

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Application: WO 2000US32308 20001122 (PCT/WO US0032308)

Priority Application: US 99444773 19991122; US 99444798 19991122

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ

DE DK DM DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK  
LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK

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SL TJ TM TR TT TZ UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 170977

English Abstract

French Abstract

On decrit un systeme, un procede et un article manufacture qui constituent une structure de chaine d'approvisionnement fondee sur le reseau. L'installation d'un service est geree au moyen d'un reseau. La demande et l'approvisionnement des offres de fabricant sont planifies au moyen du reseau et les commandes relatives aux offres du fabricant sont egalement gerees au moyen du reseau. Le reseau est egalement utilise pour gerer les actifs sur le reseau, y compris pour effectuer la maintenance et le service pour les actifs de reseau au moyen du reseau.

Legal Status (Type, Date, Text)

Publication 20010531 A2 Without international search report and to be republished upon receipt of that report.

Examination 20010913 Request for preliminary examination prior to end of 19th month from priority date

Declaration 20020725 Late publication under Article 17.2a

Republication 20020725 A2 With declaration under Article 17(2)(a); without abstract; title not checked by the International Searching Authority.

Fulltext Availability:

Detailed Description

Detailed Description

... with an embodiment of the present invention;

Figure 93 shows an agent of the eCommerce **Application** Framework in accordance with one embodiment of the present invention;

1 2

Figure 94 illustrates...language that offers a fast, machine-executable code. Furthermore, C++ is suitable for both commercial- **application** and systems-programming projects. For now, C++ appears to be the most popular choice among...has a unique mechanism for sharing service, user and control data without duplication. This permits **mobile** NGN service users to maintain the same experience and have access to the same information

...Cross Network (Roaming) Location Register (Policy Management)

Similar to the Home location register in the **wireless / cellular** telephony world. This functional component provides the required policies governing users who access third party...

...observed in the "NGN" will continue with increased broadband access.

Other access methods (cable, satellite, **wireless** ) will also complete their transformation to the "New Core". These will all become 11? enabled

...set of services, thus really providing seamless services across many different access technologies.

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#### The Wireless Data Network Architecture

The current wireless "Core" network consists of wireless based access and roaming capabilities that inter-operate with wire-line PSTN "Core" infrastructure to provide interoperable PSTN services. As the PSTN migrates to "NGN" and "New Core", the wireless PSTN access infrastructure will also migrate to connect to "NGN" and "New Core" to provide wireless PSTN access services while utilizing new capabilities in the "NGN" and the "New Core". There will also be innovations in the wireless end-devices such that they will become IP enabled, and will thus allow a broad...

...the wire-line IP based service capabilities (e.g. web browsing, e-mail etc.). These wireless access methods to the "New Core" will be restricted to lower speeds due to the legacy nature of this wireless infrastructure while new broadband wireless access may emerge to provide a new set of IP enabled wireless devices that can provide broadband services over wireless / mobile devices. In Europe, significant improvements in technologies such as GSM have provided insight into some...

...New CORE capabilities such as 300Kilobits of access bandwidth to deliver information to hand-held wireless devices. The potential of such capabilities coupled with the traditional strengths of wireless communications such as roaming and error handling enabled by digitization, at this stage seems limitless...

...such as Gateways and Switches.

#### The Emerging Satellite Data Network Architecture

In addition to the wireless access infrastructure, new service providers have emerged that are trying to use low earth orbiting...

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13/5,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01566430

User-centric session management for client-server interaction using  
multiple applications and devices

Benutzerzentrierte Sitzungsverwaltung für Kundenserver-interaktion mittels  
mehrerer Anwendungen und Geräte

Gestion de sessions centrée sur l'utilisateur permettant l'interaction  
entre client et serveur à travers plusieurs applications et dispositifs

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PATENT (CC, No, Kind, Date): EP 1303102 A2 030416 (Basic)

APPLICATION (CC, No, Date): EP 2002257082 021011;

PRIORITY (CC, No, Date): US 329225 P 011012; US 269133 021010

DESIGNATED STATES: AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR;  
IE; IT; LI; LU; MC; NL; PT; SE; SK; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: H04L-029/06

ABSTRACT EP 1303102 A2

A user-centric session management system and method are provided, in which a user remains authenticated and connected to a session while migrating between provisioning applications, protocols and/or client devices. Each user has a unique user identification (UI), and each session has a unique session identifier (USI). The USI supports anonymous users and maintains authentication without requiring authentication for each request. The system includes a session manager that accesses session state memory and virtual device memory. The session state memory provides short-term storage of records of all current client-server sessions, including USIs and associated UIs). The virtual device memory provides long-term storage of state mirroring the current state of a client device involved in a transaction during a session. Using the USI or UI and the virtual device associated therewith, the client device is synchronized at re-connect to an ongoing session or to an interrupted transaction associated with a terminated session.

ABSTRACT WORD COUNT: 151

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 030416 A2 Published application without search report

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200316	655
SPEC A	(English)	200316	5367
Total word count - document A			6022
Total word count - document B			0
Total word count - documents A + B			6022

...SPECIFICATION to the client device 100. Each channel 110 defines specific protocols for user authentication, application **discovery** and **application downloading**. Examples of these protocols include HTTP 100a, which can be used to carry HTML to web browsers and extensible markup language (XML) to XML browsers, **wireless session protocol (WSP)** 110b, which can be used to carry **wireless markup language (WML)** to WAP

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browsers, and SMS 110c, which is used to carry SMS messages to SMS applications within mobile phones 100c. Each client device 100 accesses the provisioning server 200 through a session manager...

13/5,K/2 (Item 2 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01298059

Method and system for downloading dedicated applications to user stations  
Verfahren und Anordnung zum Fernladen von zugeordneten Anwendungen auf  
Benutzerstationen

Methode et systeme de telechargement d'applications dediees sur des  
stations utilisateurs

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PATENT (CC, No, Kind, Date): EP 1113359 A2 010704 (Basic)  
EP 1113359 A3 030129

APPLICATION (CC, No, Date): EP 2000311604 001221;

PRIORITY (CC, No, Date): US 475359 991230

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: G06F-009/445; G06F-017/60

ABSTRACT EP 1113359 A2

The present invention is directed to a copy-protected dedicated software application and methods for downloading copy-protected dedicated applications to user stations so that the unique dedicated applications are executable upon downloading to the user station and so that the unique dedicated applications will only run on that particular authorized user station. A method of downloading the unique dedicated applications directly from a distributor to the user station is also included which eliminates the need for contact between the original manufacturer of an application and the user station.

ABSTRACT WORD COUNT: 88

NOTE:

Figure number on first page: NONE

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 010704 A2 Published application without search report

Assignee: 020313 A2 Transfer of rights to new applicant: Nokia  
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Espoo FI

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FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200127	651
SPEC A	(English)	200127	3759
Total word count - document A			4410
Total word count - document B			0
Total word count - documents A + B			4410

...SPECIFICATION of downloading copy protected dedicated applications to a

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user station from an application source is **disclosed** comprising the steps of: sending an order for an application to an application source the...

...and date of dedicated application download information. The invention may also include that the dedicated **application** is a setup **application**. The invention may also include that the step of identifying identifies the user station for...

...invention may also include that the steps of sending the order, and downloading the dedicated **application**, occur via a **wireless** network. The invention may also optionally include that the identification information is checked by the user station every time the dedicated **application** is run.

According to a second aspect of the invention a method of directly automatically...

13/5,K/3 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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01006405 \*\*Image available\*\*

**DATA PROCESSING SYSTEM AND METHOD**  
**SYSTEME ET PROCEDE DE TRAITEMENT DE DONNEES**

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Legal Representative:

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Application: WO 2002GB4812 20021024 (PCT/WO GB0204812)

Priority Application: GB 200125531 20011024

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CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-009/44

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Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 24238

**English Abstract**

An architecture suitable for running on processing systems of limited processing power is disclosed. The architecture facilitates the portability of applications and optimises the use of CPU and/or memory resources. The architecture is embodied in novel data structures and applications which may be compiled into an extremely low footprint and optimised machine code. Also disclosed are tools for developing applications and particular applications of the architecture. The

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invention is particularly useful in the context of set-top-boxes, where it facilitates production of interactive games and the like which were previously not practicable.

#### French Abstract

L'invention concerne une architecture permettant de faire fonctionner des systemes de traitement de capacite limitee de traitement. L'architecture facilite la portabilite d'applications et optimise l'utilisation de l'unite centrale et/ou de ressources de memoire. L'architecture se presente sous la forme de nouvelles structures de donnees et d'applications qui peuvent etre compilees dans un tres faible encombrement et dans un code machine optimal. L'invention concerne egalement des outils de developpement d'applications et notamment d'applications de l'architecture. L'invention est notamment utilisee dans le contexte de boites de montage, ou elle facilite la production de jeux interactifs et equivalent qui n'etaient precedemment pas praticables.

#### Legal Status (Type, Date, Text)

Publication 20030501 A2 Without international search report and to be republished upon receipt of that report.

#### Fulltext Availability:

Claims

#### Claim

... There is further provided a method of controlling a network comprising distributing an interactive game **application** to a user over the network, receiving a result of user participation in the game from the game **application**, comparing the result to qualifying criteria and ... example 5 making available for free or at a discount a previously unavailable or chargeable **programme** or service or **application**, for example providing a further **application** such as a sequel to the game, or may include providing a usage or billing credit, for example by communicating with a billing **application**. The reward may simply comprise communicating a user achievement to other users, for example in ... operation, apparatus embodying methods, particularly set-top-boxes (as herein defined), computer programs or computer **program** products, a signal containing downloadable code or code fragments, middleware, **applications** or widgets arranged to co-operate with middleware, assets for widgets or 15 **applications**, XML code encoding widgets or **applications**, a server arranged to store or to transmit code and output signals corresponding to any and all of the aspects and preferred features disclosed herein (above and below) unless explicitly stated otherwise or positively precluded ... Fig. 8 is a screen shot of a step in the process of creating an **application** according to one embodiment of the system described herein showing an image object being added to the **application**; Fig. 9 is a screen shot of a step in the process of creating an **application** according to one embodiment of the system described herein showing the appearance of the **application** when the image has been added; Fig. 10 is a screen shot of a step in the process of creating an **application** according to one embodiment of the system described herein showing a number of objects in the **application**, including images and buttons; Fig. 11 is a screen shot of a step in the process of creating an **application** according to one 5 embodiment of the system described herein showing the addition of a list object into the **application**; Fig. 12 is a screen shot of a step in the process of creating an **application** according to one embodiment of the system described herein showing the addition of text into...

... 13 is a screen shot of a step in the process of creating a further **application** according to one embodiment of the system described herein showing the **application** with a number of images and buttons 10 added;



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- Fig. 14 is a screen shot of a step in the process of creating an **application** according to one embodiment of the system described herein showing the **application** with a text object added; Fig. 15 is a screen shot of a step in the process of creating an **application** according to one embodiment of the system described herein showing the process of adding...

...Fig. 16 is a screen shot of a step in the process of creating an **application** according to one embodiment of the system described herein showing the process of editing an event for the **application**; Fig. 17 is a screen shot of a step in the process of creating an **application** according to one embodiment of the system described herein showing the **application** with a number of images and a list object added;

Fig. 18 is a screen shot of a step in the process of creating an **application** according to one embodiment of the system described herein showing the **application** with a number of images, text objects and buttons added;

Fig. 19 is a schematic diagram of a process for creating an **application** using one embodiment of the system described herein;

Fig. 20 is a schematic diagram of the process of starting an **application** according to one embodiment of the system described herein; Fig. 21 is a schematic diagram top-box for decoding video signals, which is a particularly preferred **application**. However, the architecture (and portions thereof) may be applied to other systems, for example **mobile** devices, **handheld** devices, games platforms, general purpose computers or indeed any device having a processor, memory and... include limited functionality for providing a graphics -display, for example to display static configuration and **programme** menus. In accordance with an embodiment of the invention, the graphics capability is made use...controlling the interfaces. The hardware has a processor 106 and memory 108 which runs the **software**, including a real time **operating system** 120. At the level above the core device drivers 110, there is a Widget **Software Development Kit ("SDK") Porting Layer** comprising libraries 130 used by **applications** to interface with the operating 25 system and device drivers ...be provided independently) and comprises, a set of Hardware independent API libraries that make **LUI Applications** hardware independent. At the level above this is the **Application SDK** 140 which comprises so-called Widgets 144 and 30 a Resource repository 142. Above this, in what would conventionally be the set-top-box **application** layer 150, the Interactive User Interface framework 160 and Interactive User Interface **Application** 170 are provided. In overview, the key features of the LUI Core (each of which... which may be provided independently) are: Acquiring new assets database from various sources, e.g. **disc**, rom, ram, network, etc.

Intelligent Asset Caching

Transparent Encryption / Rights Management

Transparent Decompression / Compression

35...advantageous feature of such a structure is that it becomes relatively easy to write new **applications** that will run efficiently. This can be facilitated by development tools. Referring to Fig. 3...

...the invention will be explained. An embodiment may 10 provide a toolkit enabling rapid **application** development using a GUI development environment. The key features of this, each of which -may be independently provided, may be summarised as:

Drag-and-Drop Graphical User Interface

**Application Builder**

15 **o Motion Path Sequencer**

...low level language, for example compiled from C or written directly in assembler, leaving the **application** to perform more complex tasks. 30 The more functions that are provided by the middleware, the simpler **applications** may become. The implementation of the asset manager may draw by analogy from techniques employed...No => Look up address of

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compressed asset;  
is cache full?

Yes => Determine which asset to **remove** from cache

Decompress asset to cache;

ASset-pointer pointer points asset to cache;

Return ASset...asset-id

In a simple implementation, the asset manager may determine which asset to **remove** from cache based on the asset which is the oldest or which was used least recently. In more complex implementations, caching may be intelligent, for example the **application** may specify a priority order for assets or may supply hold and release commands and...

...cache manager may control which assets are retained based on commands issued by the **application**. This may be advantageous since the **application programmer** may know which assets will be used repeatedly and therefore are desirable to retain in...

13/5,K/4 (Item 2 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00987410 \*\*Image available\*\*

#### TRANSACTION PROCESSING

#### TRAITEMENT DE TRANSACTION

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200317171 A1 20030227 (WO 0317171)

Application: WO 2002US26041 20020815 (PCT/WO US0226041)

Priority Application: US 2001312737 20010815

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 5563

#### English Abstract

Systems and methods consistent with the present invention provide a transaction processing during which a transaction billing event is created. Metadata associated with an application is stored in a transaction manager database (310). When a wireless device (300) downloads an application, raw transaction information is sent to and stored in the database (310). The raw transaction data may include a subset of the metadata and additional information included by other

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devices and/or systems. Billing events are created by correlating the metadata and the raw transaction data. In addition, subscription billing events, such as those having reoccurring charges, are calculated by evaluating those transactions having a subscription transaction type and their associated metadata stored in the database.

French Abstract

L'invention concerne des systemes et des procedes mettant en place un traitement de transaction pendant lequel un evenement de paiement de transaction est cree. Des metadonnees associees a une application sont stockees dans une base de donnees de gestionnaire de transaction (310). Quand un dispositif sans fil (300) telecharge une application, des informations brutes de transaction sont envoyees et stockees dans la base de donnees (310). Les donnees brutes de transaction peuvent comprendre un sous-ensemble des metadonnees et des informations supplementaires fournies par d'autres dispositifs et/ou systemes. Des evenements de paiement sont crees par correlation des metadonnees et des donnees brutes de transaction. De plus, des evenements de paiement d'abonnement, tels que ceux presentant des frais recurrents, sont calcules par evaluation de ces transactions de type transaction d'abonnement et de leurs metadonnees associees stockees dans la base de donnees.

Legal Status (Type, Date, Text)

Publication 20030227 A1 With international search report.

Publication 20030227 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Fulltext Availability:

Claims

Claim

... of downloading an application by processing the raw transaction data and the metadata.

11 A **computer - readable medium** containing computer-executable instructions for processing a data transaction that when executed perform a method, comprising: receiving raw transaction data containing an application identifier and from an **application download server**, wherein the raw transaction data identifies information associated with a

**application download** to a **wireless device**;  
storing metadata containing an **application identifier** and associated with the **application**  
**downloaded** to the **wireless device**;  
correlating the metadata and the raw transaction data using the **application identifier**; and creating a billing event containing pricing information associated with the data transaction of downloading an **application** by processing the raw transaction data and the metadata.

13/5,K/5 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00987405 \*\*Image available\*\*

DATA SYNCHRONIZATION INTERFACE

INTERFACE DE SYNCHRONISATION DE DONNEES

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May 13, 2003

Legal Representative:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200317170 A1 20030227 (WO 0317170)

Application: WO 2002US26035 20020815 (PCT/WO US0226035)

Priority Application: US 2001312737 20010815

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CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-017/60

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 3713

English Abstract

Systems and methods consistent with the present invention provide an interface to facilitate the communication between systems. A source system (310) translates data into an XML format and transmits the data to a synchronizer interface tool. The synchronizer tool stores the data in a persistent intermediate storage, such as a queue (325), allowing the source system to go offline or perform other tasks while the data is transmitted to the target system. The synchronizer tool initiates the transmission of the data to the target system. If the target system indicates that it received the data, then the synchronizer tool sends an acknowledgement to the source system indicating the data was received. If the target system does not receive the transmission, the synchronizer tool maintains the data in the present intermediate storage and reinitiates transmission of the data to the target system (300).

French Abstract

L'invention concerne des systemes et des procedes mettant en place une interface, de maniere a faciliter la communication entre des systemes. Un systeme source (310) traduit des donnees en un format XML et transmet ces donnees a un outil d'interface de synchronisation. L'outil synchroniseur stocke les donnees dans un stockage intermediaire persistant, tel qu'une file d'attente (325), permettant au systeme source de se deconnecter ou d'executer d'autres taches pendant la transmission des donnees au systeme cible. L'outil synchroniseur lance la transmission des donnees au systeme cible. Si celui-ci indique qu'il a recu les donnees, l'outil synchroniseur envoie alors un accuse de reception au systeme source indiquant que les donnees ont ete recues. Si le systeme cible ne recoit pas la transmission, l'outil synchronisateur conserve les donnees dans le stockage intermediaire persistant et relance la transmission des donnees au systeme cible (300).

Legal Status (Type, Date, Text)

Publication 20030227 A1 With international search report.

Publication 20030227 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Fulltext Availability:

Detailed Description

Detailed Description

... messaging service ("SMS"), or other over-the-air methods known in the art.

May 13, 2003

[0023] The wireless device, such as cellular telephone 12, has a computer platform 50 that can receive and execute software applications and display data transmitted from the application download server 16. The computer platform 50 also allows the wireless device to interact with data and applications resident on network servers. The computer platform 50 includes, among other components, a display driver...

...graphics data received- at the computer platform 50. The computer platform 50 also includes an application-specific integrated ...data processing device. The ASIC 52 is installed at the time of manufacture of the wireless device and is not normally upgradeable. The ASIC 52 or other processor executes the application programming interface ("API") layer 56 that interfaces with any resident programs in the memory 58 of the wireless device. The memory can be comprised of read-only or random-access memory (RAM) and the software applications not actively used in memory 58, such as the software applications downloaded from the application download server 16. The local database 60 is typically comprised of one or more flash memory...

...the art, such as magnetic media, EPROM, EEPROM, optical media, tape, or soft or hard disk.

[0024] The wireless device, such as cellular telephone 12, can access and download many types...

13/5,K/6 (Item 4 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00943667 \*\*Image available\*\*

METHOD AND APPARATUS FOR DYNAMIC ASSEMBLY AND VERIFICATION OF SOFTWARE COMPONENTS INTO FLEXIBLE APPLICATIONS  
PROCEDE ET DISPOSITIF DE MONTAGE DYNAMIQUE ET DE VERIFICATION DE COMPOSANTS LOGICIELS DANS DES APPLICATIONS FLEXIBLES

Patent Applicant/Assignee:

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Legal Representative:

MALLIE Michael J (et al) (agent), Blakely, Sokoloff, Taylor & Zafman LLP,  
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200277803 A1 20021003 (WO 0277803)

Application: WO 2002US8544 20020318 (PCT/WO US0208544)

Priority Application: US 2001816797 20010323

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU

CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP

KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO

RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-009/44

Publication Language: English

Filing Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 9424

May 13, 2003

English Abstract

A method and apparatus for assembling software components (210) into an application. In an embodiment, the apparatus generally relates to an application creator which assembles software modules at run time into a container application (214). The container application supports interface inheritance and implementation inheritance from an existing software component.

French Abstract

Procede et dispositif servant a introduire des composants logiciels (210) dans une application. Dans un mode de realisation, ce dispositif concerne, de facon generale, un createur d'application qui assemble des modules logiciels en temps d'execution afin de les introduire dans une application incorporante (214). Cette application incorporante supporte l'heritage de l'interface et l'heritage de la mise en application provenant d'un composant logiciel existant.

Legal Status (Type, Date, Text)

Publication 20021003 A1 With international search report.

Fulltext Availability:

Detailed Description

Detailed Description

... and/or data may be provided over the Internet, via some storage medium such as CD - ROM , or via a wireless transfer from an intelligent cell phone or personal digital assistant . Alternatively, a separate program could be used to download the components and meta-data. Meta-data may also be...

13/5,K/7 (Item 5 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00784140

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR A GLOBALLY ADDRESSABLE INTERFACE IN A COMMUNICATION SERVICES PATTERNS ENVIRONMENT  
SYSTEME, PROCEDE ET ARTICLE DE FABRICATION S'APPLIQUANT DANS UN ENVIRONNEMENT DE STRUCTURE DE SERVICES DE COMMUNICATIONS VIA UNE INTERFACE ADRESSABLE GLOBALEMENT

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Legal Representative:

HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 1400 Page Mill Road, Palo Alto, CA 94304; US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200116735 A2-A3 20010308 (WO 0116735)

Application: WO 2000US24198 20000831 (PCT/WO US0024198)

Priority Application: US 99387214 19990831

Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: G06F-009/46

Publication Language: English

May 13, 2003

Filing Language: English  
Fulltext Availability:  
Detailed Description  
Claims  
Fulltext Word Count: 150371

English Abstract

A system, method, and article of manufacture are provided for delivering service via a globally addressable interface. A plurality of interfaces are provided with access allowed to a plurality of different sets of services from each of the interfaces. Each interface has a unique set of services associated therewith. Each of the interfaces is named with a name indicative of the unique set of services associated therewith. The names of the interfaces are then broadcast to a plurality of systems requiring service.

French Abstract

L'invention porte sur un systeme, un procede et un article de fabrication appliques dans la distribution de services via une interface adressable globalement. Une pluralite d'interfaces permettent d'accéder a une pluralite de differents ensembles de services. A chaque interface est associee un ensemble unique de services. Chacune de ces interfaces est affectee d'un nom designant l'ensemble unique de services correspondant. Les noms des interfaces sont ensuite diffuses a une pluralite de systemes requerant un service.

Legal Status (Type, Date, Text)

Publication 20010308 A2 Without international search report and to be  
republished upon receipt of that report.  
Examination 20010927 Request for preliminary examination prior to end of  
19th month from priority date  
Search Rpt 20030109 Late publication of international search report  
Republication 20030109 A3 With international search report.

Fulltext Availability:  
Detailed Description

Detailed Description

... Web-based interfaces still have an inherent overhead due to the connectionless communication and constant **downloading** of data, formatting information and applet code.

B4. The application needs to support off-line **mobile** users.

**Mobile** computing is becoming more prevalent in the work place, therefore, connectivity to a server can...

...client. Replication of data and logic is usually necessary for applications that are ran on **portable** computers.

IT guiding principles 804

G11 The client maintains their applications internally and the IT the host is required for use of the applications. Methods of **mobile** computing with distribution of data or business logic is not possible.

B5. The application will...

13/5,K/8 (Item 6 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00476842 \*\*Image available\*\*  
DIGITAL DEPARTMENT SYSTEM  
SYSTEME DE COMPTOIR NUMERIQUE

May 13, 2003

Patent Applicant/Assignee:

PICS PREVIEWS INC,  
STERN Michael R,

Inventor(s):

STERN Michael R,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9908194 A1 19990218

Application: WO 98US16476 19980807 (PCT/WO US9816476)

Priority Application: US 9755708 19970808

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD  
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US  
UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE  
CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN  
GW ML MR NE SN TD TG

Main International Patent Class: G06F-013/00

Publication Language: English

Fulltext Availability:

Detailed Description

Claims

Fulltext Word Count: 39077

English Abstract

A digital department system (100) is disclosed. The digital department system of the present invention includes a network management center (110), a network operating center (120) that is coupled to the network management center (110), a multimedia server (160), a multicasting transmission medium (125) coupling the network operating center (120) and the multimedia server (160), a listening post (185) coupled to the multimedia server by the network (150), and one or more audio/video display capable of displaying video and capable of playing audio, the audio video display coupled to the multimedia server (160) by the network. The audio and video content are stored in digitized files on the multimedia server (160) for distribution throughout the site via the network (150).

French Abstract

La presente invention concerne un systeme de comptoir numerique (100) qui comprend: un centre de gestion de reseau (110), un centre d'exploitation de reseau (120) qui est couple au centre de gestion de reseau (110), un serveur multi-media (160), un support de transmission multi-diffusion (125) qui couple le centre d'exploitation de reseau (120) et le serveur multi-media (160), un poste d'ecoute (185) couple au serveur multi-media par le reseau (150), et un ou plusieurs dispositifs de presentation audio/video permettant d'afficher des donnees video et de reproduire des donnees audio, le dispositif de presentation audio-video etant couple au serveur multi-media (160) par le reseau. Les contenus audio et video sont stockes dans des fichiers numerises sur le serveur multi-media (160) afin d'etre distribues sur le site via le reseau (150).

Fulltext Availability:

Detailed Description

Detailed Description

... download.

ROOT FLASH ROM

Resident

PROGRAM Code Space

MPEG Audio Player n ap Extender NetLink Wireless Router

APPLICATION APPLICATION APPLICATION DOWNLOADED

PROGRAM PROGRAM PROGRAM DRAM Resident

Code

space



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Drivers Drivers Drivers Drivers Drivers Drivers  
Drivers Drivers Drivers Drivers Drivers Drivers

Figure 8 An Example of a Root Module and Application Programs

Application module data flow

Data files residing on the multimedia server's disk space and are moved through the network via a networking protocol, such as NFS or...

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15/5,K/1 (Item 1 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00488451 \*\*Image available\*\*  
INTEGRATED CUSTOMER INTERFACE FOR WEB BASED COMMUNICATIONS NETWORK  
MANAGEMENT  
INTERFACE CLIENT INTEGREE POUR LA GESTION DE RESEAUX DE COMMUNICATIONS  
BASES SUR LE WEB

Patent Applicant/Assignee:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 9919803 A1 19990422  
Application: WO 98US20173 19980925 (PCT/WO US9820173)  
Priority Application: US 9760655 19970926

Designated States: AU BR CA JP MX SG AT BE CH CY DE DK ES FI FR GB GR IE IT  
LU MC NL PT SE

Main International Patent Class: G06F-013/00

International Patent Class: G06F-017/30

Publication Language: English

Fulltext Availability:

Detailed Description  
Claims

Fulltext Word Count: 90769

English Abstract

A web-based, integrated customer interface system (30) for enabling customer management of their communication network assets. A web-based GUI (20) enables a customer to interact with one or more network management resources and telecommunication services. The integrated interface system (30) includes: 1) a customer's network report management; 2) a centralized in-box system for online notifications to client workstation; 3) a real-time network services monitoring system; 4) broadband system for presenting physical and logical views of data networks and performance information; 5) a toll-free network management system enabling customization of 800/8xx toll free number routing; 6) Outbound Network Management (ONM); 7) packet-switched events monitoring; 8) a trouble ticket tool; 9) web-based invoice reporting for access to billing information; 10) web-based call manager; 11) on-line order entry and administrative service; 12) system for handling security and authentication.

French Abstract

Cette invention se rapporte a un systeme d'interface client integree (30) basee sur le Web, qui est concu pour permettre a des clients de gerer leurs avoirs sur des reseaux de communication. A cet effet, une interface utilisateur graphique (GUI) (20) basee sur le Web permet a un client d'interagir avec une ou plusieurs ressources de gestion de reseau et avec un ou plusieurs services de telecommunications. Ce systeme d'interface integree (30) comprend: 1) une fonction de gestion de rapports reseau du client; 2) un systeme de corbeille d'arrivee

May 13, 2003

centralise pour les notifications en ligne adressees a la station de travail client; 3) un systeme de surveillance des services de reseau en temps reel; 4) un systeme a bande large servant a presenter des vues physiques et logiques des reseaux de donnees et des informations sur les performances; 5) un systeme de gestion de reseau gratuit, permettant la personnalisation de l'acheminement des numeros gratuits du type 800/8xx; 6) une fonction de gestion de reseau de transmissions sortantes (ONM); 7) une fonction de surveillance des evenements a commutation par paquets; 8) un outil de gestion des appels de depannage; 9) une fonction de rapport sur les factures basee sur le Web et permettant l'accès aux informations de facturation; 10) un questionnaire d'appels base sur le Web; 11) un service d'administration et d'entree des commandes en ligne; 12) et un systeme de gestion de la securite et de l'authentification.

#### Fulltext Availability:

##### Detailed Description

##### Detailed Description

... system determines that the software files including classes for initiating a session, have been already **downloaded**, for example, from a previous session, the steps 62, 64, 66 are skipped.

The logon...daily, weekly or monthly. The report scheduler interface additionally enables a user to specify a **pager** or E-mail account so that an e-mail or **pager** message may be sent to indicate when a requested report is in the Inbox server...1580 includes: selection of time zone, by menu choice 1582; selection of the report schedule **radio** buttons 1583 to specify the report as recurring, daily, weekly, monthly, or hourly entry field user may also specify the report as a "one-shot" by selecting **radio** button 1586.

Referring back to the exemplar screen shown in Figure 12(b), with regard...

...Figure 12(f)), 800 wide area telecommunications service, 800 dedicated, 800 Network Call Redirect, local, **cellular**.

Referring back to exemplar screen shown in Figure 12(b), with regard to the hierarchy...plans ("URP"). As shown in Figure

27(d), Number Level, EVS, or Super Routing plan **radio** buttons 1655 may be selected to access corresponding visible screen elements. When an NLP plan...shown in Figure 27(f), a number/set selection dialog box 1671 is displayed having **radio** buttons enabling selection of the desired 800/8xx Number, a set of numbers, a reserved...

...be IMPL'd for

the number or set. As shown, the dialog box 1672 comprises **radio** buttons enabling user selection of the desired plan IDs including, but not limited to, a...to the user. As shown in Figure 27(g), there is provided a number of **radio** buttons which the user may select: 1) an 800/8xx number button 1682 which causes...field 2845; a Description field 2846 describing the CPN(s); and, a yes or no **Cellular** field 2847 indicating whether this CPN originates from a **cellular** phone.

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Additionally, a second section referred to as the CPN feature...button descriptions for retrieving Dialing Plans from customer inventory: an International Direct Dialed Digits "IDDD" radio button 3001 enabling entry of dialed digits as a public number in a dialed digits...  
...user is required to designate a Country Code in a Country field 3002; a Private radio button 3005 enabling entry of a Private Number in the Dialed Digits field when selected...  
...the origination data (number dialed) for a dialing plan. The field/command buttons include: "type" radio buttons 3025 enabling the selection of the originating number as a private number or public...

15/5,K/2 (Item 2 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00484627

INTEGRATED BUSINESS SYSTEM FOR WEB BASED TELECOMMUNICATIONS MANAGEMENT  
SYSTEME D'ECHANGES COMMERCIAUX INTEGRES POUR LA GESTION DE  
TELECOMMUNICATIONS SUR LE WEB

Patent Applicant/Assignee:

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CHODORONEK Mark A,  
DeROSE Eric,  
GONZALES Mark N,  
JAMES Angela R,  
LEVY Lynne,  
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Inventor(s):

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DeROSE Eric,  
GONZALES Mark N,  
JAMES Angela R,  
LEVY Lynne,  
TUSA Michael,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9915979 A1 19990401  
Application: WO 98US20170 19980925 (PCT/WO US9820170)  
Priority Application: US 9760655 19970926

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LU MC NL PT SE

Main International Patent Class: G06F-013/00

Publication Language: English

Fulltext Availability:

Detailed Description  
Claims

Fulltext Word Count: 88075

English Abstract

The specification discloses a method of doing business over the public Internet, particularly, a method which enables access to legacy management tools used by a telecommunications enterprise in the management of the enterprise business to the enterprise customer, to enable the customer to more effectively manage the business conducted by the customer through the enterprise, this access being provided over the public Internet. This method of doing business is accomplished with one or more secure web servers which manage one or more secure client sessions over the Internet, each web server supporting secure

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communications with the client workstation; a web page backplane application capable of launching one or more management tool applications used by the enterprise. Each of the management tool applications provide a customer interface integrated within said web page which enables interactive Web/Internet based communications with the web servers; each web server supports communication of messages entered via the integrated customer interface to one or more remote enterprise management tool application servers which interact with the enterprise management tool applications to provide associated management capabilities to the customer.

#### French Abstract

Cette invention se rapporte a un procede permettant de realiser des echanges commerciaux par l'Internet, en particulier un procede qui permet d'accéder a des outils de gestion legues utilises par une entreprise de telecommunications pour la gestion de ses relations commerciales avec ses clients, et pour permettre aux clients de gerer plus efficacement leurs interets commerciaux par l'intermediaire de l'entreprise, cet acces etant assure par l'Internet. Ce procede d'echanges commerciaux utilise un ou plusieurs serveurs web securises, qui gerent une ou plusieurs sessions client securisees sur l'Internet, chaque serveur web prenant en charge les communications securisees avec la station de travail client; ainsi qu'une application de fond de panier de page web capable de lancer une ou plusieurs applications d'outils de gestion utilisees par l'entreprise. Chacune de ces applications d'outils de gestion fournit une interface client integree a chaque page web qui permet des communications interactives par le Web/l'Internet avec les serveurs web; et chaque serveur web prend en charge la communication des messages entres via l'interface client integree a destination d'un ou de plusieurs serveurs d'applications d'outils de gestion d'entreprise distants, qui entrent en interaction avec les applications d'outils de gestion d'entreprise pour assurer aux clients des capacites de gestion associees.

#### Fulltext Availability: Detailed Description

##### Detailed Description

... requests or directives and provides responses to-said one or more web servers for secure **downloading** to the customer workstation for display via said integrated interface.

Advantageously, this method of doing...is launched by launchAppo method. The launched application then may use the backplane for inter **application** communications, including retrieving Inbox data.

The COBackPlane 12 includes methods for providing a reference to...daily, weekly or monthly. The report scheduler interface additionally enables a user to specify a **pager** or E-mail account so that an e-mail or **pager** message may be sent to indicate when a requested report is in the Inbox server...1580 includes: selection of time zone, by menu choice 1582; selection of the report schedule **radio** buttons 1583 to specify the report as recurring, daily, weekly, monthly, or hourly entry field...

##### ...entry fields

158 . The user may also sEecify the report as a "oneshot" by selecting **radio** utton 1586.

Referring back to exempl ar screen shown in Figure 12(b), with regard...ure 12(f)), 800 wide area telecommunications

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service, 900 dedicated, 800 Network Call Redirect,  
local, **cellular** .

Referring back to exemplar screen shown in  
Figure 12(b), with regard to the hierarchy...plans (BURP"). As shown in  
Figure

27(d), Number Level, EVS, or Super Routing plan **radio**  
buttons 1655 may be selected to access corresponding  
visible screen elements. When an NLP plan...as shown  
in Figure 27(f), a number7set selection dialog box  
1671 is displayed having **radio** buttons enabling  
selection of the desired 800/8xx Number, a set of  
numbers, a reserved...be IMPL'd for the number or set.

As shown, the dialog box 1672 comprises **radio** buttons  
enabling user selection of the desired plan IDs  
including, but not limited to, a...to  
the user. As shown in Figure 27(g), there is provided  
a number of **radio** buttons which the user may select.

1) an 800/8xx number button 1682 which causes...field 2845; a Description  
field 2846 describing the  
CPN(s); and, a yes or no **Cellular** field 2847  
indicating whether this CPN originates from a **cellular**  
phone. Additionally, a second section referred to as  
the CPN feature information section 2850 comprises...button descriptions  
for retrieving  
Dialing Plans from customer inventory: an  
International Direct Dialed Digits 'IDDD" **radio** button  
3001 enabling entry of dialed digits as a public  
number in a dialed digits...

...user is required to designate a Country  
Code in a Country field 3002; a Private **radio** button  
3005 enabling entry of a Private Number in the Dialed  
Digits field when selected...the origination data (number  
dialed) for a dialing plan. The field/command buttons  
include: "type" **radio** buttons 3025 enabling the  
selection of the originating number as a private  
number or public...

May 13, 2003

File 344:Chinese Patents Abs Aug 1985-2003/Feb  
(c) 2003 European Patent Office  
File 347:JAPIO Oct 1976-2003/Jan(Updated 030506)  
(c) 2003 JPO & JAPIO  
File 350:Derwent WPIX 1963-2003/UD,UM &UP=200330  
(c) 2003 Thomson Derwent

Set	Items	Description
S1	8	AU='MINEAR B'
S2	6	AU='GARDNER R W'
S3	21	AU='SPRIGG S':AU='SPRIGG S A'
S4	12	AU='NGUYEN P T'
S5	32	AU='OLIVER M' OR AU='OLIVER M B'
S6	16	AU='LEKVEN E':AU='LEKVEN E J'
S7	1	S1 AND S2 AND S3 AND S4 AND S5 AND S6

May 13, 2003

7/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

015251540 \*\*Image available\*\*  
WPI Acc No: 2003-312466/200330  
XRPX Acc No: N03-248874

Software application control system selectively prompts application  
managing server to transmit license to telephone, pager and personal  
digital assistant so as to execute software application  
Patent Assignee: GARDNER R W (GARD-I); LEKVEN E J (LEKV-I); MINEAR B  
(MINE-I); NGUYEN P T (NGUY-I); OLIVER M B (OLIV-I); SPRIGG S A (SPRI-I);  
QUALCOMM INC (QUAL-N)  
Inventor: GARDNER R W ; LEKVEN E J ; MINEAR B ; NGUYEN P T ; OLIVER M  
B ; SPRIGG S A

Number of Countries: 101 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030032406	A1	20030213	US 2001929174	A	20010813	200330 B
WO 200317630	A1	20030227	WO 2002US25469	A	20020808	200330

Priority Applications (No Type Date): US 2001929174 A 20010813

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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US 20030032406	A1		13	H04M-001/66	
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WO 200317630	A1	E		H04M-001/66	
--------------	----	---	--	-------------	--

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU  
ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB  
GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

Abstract (Basic): US 20030032406 A1

NOVELTY - A cellular telephone (12), a pager (20) and a personal  
digital assistant (18) selectively prompt an application managing  
server (16) for transmission of a license over the network (14). The  
received license is installed in the cellular telephone, pager and the  
personal digital assistant such that the software application is  
executable.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the  
following:

(1) method of controlling software application;  
(2) wireless device; and computer readable medium storing  
instructions for controlling software application.

USE - Software application control system.

ADVANTAGE - Enables renewal of license without the need to contact  
the software application provider.

DESCRIPTION OF DRAWING(S) - The figure shows a representative  
diagram of wireless network.

cellular telephone (12)  
network (14)  
application managing server (16)  
personal digital assistant (18)  
pager (20)  
pp; 13 DwgNo 1/6

Title Terms: SOFTWARE; APPLY; CONTROL; SYSTEM; SELECT; PROMPT; APPLY;  
MANAGE; SERVE; TRANSMIT; LICENCE; TELEPHONE; PAGE; PERSON; DIGITAL;  
ASSIST; SO; EXECUTE; SOFTWARE; APPLY

Derwent Class: T01; T05; W01; W05

International Patent Class (Main): H04M-001/66

International Patent Class (Additional): H04M-001/68; H04M-003/16

File Segment: EPI



May 13, 2003

7/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

015251540 \*\*Image available\*\*  
WPI Acc No: 2003-312466/200330  
XRPX Acc No: N03-248874

Software application control system selectively prompts application  
managing server to transmit license to telephone, pager and personal  
digital assistant so as to execute software application  
Patent Assignee: GARDNER R W (GARD-I); LEKVEN E J (LEKV-I); MINEAR B  
(MINE-I); NGUYEN P T (NGUY-I); OLIVER M B (OLIV-I); SPRIGG S A (SPRI-I);  
QUALCOMM INC (QUAL-N)

Inventor: GARDNER R W ; LEKVEN E J ; MINEAR B ; NGUYEN P T ; OLIVER M  
B ; SPRIGG S A

Number of Countries: 101 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030032406	A1	20030213	US 2001929174	A	20010813	200330 B
WO 200317630	A1	20030227	WO 2002US25469	A	20020808	200330

Priority Applications (No Type Date): US 2001929174 A 20010813

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20030032406	A1		13	H04M-001/66	
WO 200317630	A1	E		H04M-001/66	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VC VN YU  
ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB  
GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

Abstract (Basic): US 20030032406 A1

NOVELTY - A cellular telephone (12), a pager (20) and a personal  
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server (16) for transmission of a license over the network (14). The  
received license is installed in the cellular telephone, pager and the  
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diagram of wireless network.

cellular telephone (12)  
network (14)  
application managing server (16)  
personal digital assistant (18)  
pager (20)  
pp; 13 DwgNo 1/6

Title Terms: SOFTWARE; APPLY; CONTROL; SYSTEM; SELECT; PROMPT; APPLY;  
MANAGE; SERVE; TRANSMIT; LICENCE; TELEPHONE; PAGE; PERSON; DIGITAL;  
ASSIST; SO; EXECUTE; SOFTWARE; APPLY

Derwent Class: T01; T05; W01; W05

International Patent Class (Main): H04M-001/66

International Patent Class (Additional): H04M-001/68; H04M-003/16

File Segment: EPI

May 13, 2003

File 348:EUROPEAN PATENTS 1978-2003/Apr W04

(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20030508,UT=20030501

(c) 2003 WIPO/Univentio

Set	Items	Description
S1	17	AU='MINEAR BRIAN'
S2	0	AU='GARDENER R?'
S3	34	AU='SPRIGG STEPHEN A'
S4	8	AU='NGUYEN PHIL':AU='NGUYEN PHIL TIEN'
S5	12	AU='OLIVER MITCHELL':AU='OLIVER MITCHELL B'
S6	34	AU='LEKVEN ERIC':AU='LEKVEN ERIC JOHN'
S7	0	S1 AND S2 AND S3 AND S4 AND S5 AND S6

May 13, 2003

File 8: Ei Compendex(R) 1970-2003/May W1  
(c) 2003 Elsevier Eng. Info. Inc.  
File 35: Dissertation Abs Online 1861-2003/Apr  
(c) 2003 ProQuest Info&Learning  
File 65: Inside Conferences 1993-2003/May W1  
(c) 2003 BLDSC all rts. reserv.  
File 2: INSPEC 1969-2003/May W1  
(c) 2003 Institution of Electrical Engineers  
File 233: Internet & Personal Comp. Abs. 1981-2003/Apr  
(c) 2003 Info. Today Inc.  
File 94: JICST-EPlus 1985-2003/May W1  
(c) 2003 Japan Science and Tech Corp (JST)  
File 603: Newspaper Abstracts 1984-1988  
(c) 2001 ProQuest Info&Learning  
File 483: Newspaper Abs Daily 1986-2003/May 12  
(c) 2003 ProQuest Info&Learning  
File 6: NTIS 1964-2003/May W2  
(c) 2003 NTIS, Intl Cpyrghrt All Rights Res  
File 144: Pascal 1973-2003/May W1  
(c) 2003 INIST/CNRS  
File 202: Info. Sci. & Tech. Abs. 1966-2003/Apr 04  
(c) Information Today, Inc  
File 434: SciSearch(R) Cited Ref Sci 1974-1989/Dec  
(c) 1998 Inst for Sci Info  
File 34: SciSearch(R) Cited Ref Sci 1990-2003/May W1  
(c) 2003 Inst for Sci Info  
File 99: Wilson Appl. Sci & Tech Abs 1983-2003/Mar  
(c) 2003 The HW Wilson Co.  
File 583: Gale Group Globalbase(TM) 1986-2002/Dec 13  
(c) 2002 The Gale Group

Set	Items	Description
S1	28	APPLICATION() DOWNLOAD?
S2	1989169	LOAD? OR DOWNLOAD? OR INSTALL? OR SETUP? OR SETTING() UP OR RELOAD?
S3	1410787	DELET? OR REMOV? OR ELIMINATE? OR ERAS?
S4	8153823	SOFTWARE OR PROGRAM? OR APPLICATION? OR OS OR OPERATING() SYSTEM
S5	7087804	COMPUTER() READABLE() MEDIUM OR DISC? OR DISK? OR CD OR CDS - OR CD() ROM OR DVD OR HDD
S6	4606935	HPC OR HPCS OR PIM OR PERSONAL() (DIGIT?? OR INFORMATION) () - (ASSIST? OR MANAG? OR ORGANIZER) OR CELL OR CELLULAR OR CORDLESS OR HANDHELD OR PORTABLE OR MOBILE OR RADIO OR WIRELESS
S7	22319	PAGER OR PDA OR PDAS OR (PERSONAL OR PRIVATE) (1W) (DIGITAL OR DATA OR INFORMATION) () (ASSISTANT? OR ORGANIZER? OR TERMINAL? OR DEVICE?) OR VISOR OR HANDSPRING OR PALM () (PILOT? OR V-II)
S8	4618345	S6 OR S7
S9	815	S2(5N) S3(5N) S4
S10	0	S1 AND S5 AND S8
S11	28	S1 AND (S3 OR S4)
S12	5	S11 AND S8
S13	23	RD S1 (unique items)
S14	12	S9 AND S5 AND S8
S15	12	S14 NOT S12
S16	0	AU=(MINEAR, B? OR MINEAR B?)
S17	4510	AU=(GARDNER, R? OR GARDNER R?)
S18	3	AU=(SPRIGG, S? OR SPRIGG S?)
S19	2079	AU=(NGUYEN, P? OR NGUYEN P?)
S20	3881	AU=(OLIVER, M? OR OLIVER M?)
S21	0	AU=(LEKVEN, E? OR LEKVEN E?)
S22	0	S17 AND S18 AND S19 AND S20

May 13, 2003

12/3,K/1 (Item 1 from file: 8)  
DIALOG(R)File 8:Ei Compendex(R)  
(c) 2003 Elsevier Eng. Info. Inc. All rts. reserv.

06376803 E.I. No: EIP03197462794  
Title: **Domain-specific codesign for embedded security**  
Author: Schaumont, Patrick; Verbauwhede, Ingrid  
Corporate Source: Electrical Engineering Department Univ. of California,  
Los Angeles, Los Angeles, CA, United States  
Source: Computer v 36 n 4 April 2003. p 68-74+4  
Publication Year: 2003  
CODEN: CPTRB4 ISSN: 0018-9162  
Language: English

Abstract: Systems with multiple design domains require codesign of **application** domains. Dedicated hardware processors implement the **application** domains and **software** integrates them. The authors use ThumbPod, a prototype embedded security **application**, for remote identification **applications** such as intelligent keys or electronic payments. The device combines security, biometrics, and networking domains. Additional **software** support consists of a dynamic **application** download using the Java **application** manager. Sun's K virtual machine offers an infrastructure for secure code download and execution...

Descriptors: **Program** processors; Computer architecture; Internet; **Wireless** telecommunication systems; Local area networks; Computer viruses; Security of data; Computer **software**

12/3,K/2 (Item 1 from file: 94)  
DIALOG(R)File 94:JICST-EPlus  
(c)2003 Japan Science and Tech Corp(JST). All rts. reserv.

05156012 JICST ACCESSION NUMBER: 02A0375159 FILE SEGMENT: JICST-E  
**Low Power Consumption LSI and Low Power Consumption Technology.**  
**Ferroelectric memory with ultra-low voltage operation for portable equipments.**

SAKUMA SHINZO (1); HAYASHI TAKAHISA (2)  
(1) Okidenkikogyo Lsijigyobu Ipkaihatsubu; (2) Okidenkikogyo Cholsikense  
Oki Tekunikaru Rebyu, 2002, VOL.69,NO.2, PAGE.36-39, FIG.10, TBL.1  
JOURNAL NUMBER: F0243ACA ISSN NO: 0286-892X  
UNIVERSAL DECIMAL CLASSIFICATION: 621.382.2/.3.049.77 537.226.4  
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan  
DOCUMENT TYPE: Journal  
ARTICLE TYPE: Commentary  
MEDIA TYPE: Printed Publication

...Consumption LSI and Low Power Consumption Technology. **Ferroelectric memory with ultra-low voltage operation for portable equipments.**  
ABSTRACT: Nonvolatile memory in the title, was developed to be installed for **portable** equipments for storing the **application** downloaded from internet, etc.. This device is suitable for **portable** equipment **applications**, with its rewriting capability as many as 10th power to 10 times, with its faster...

12/3,K/3 (Item 1 from file: 483)  
DIALOG(R)File 483:Newspaper Abs Daily  
(c) 2003 ProQuest Info&Learning. All rts. reserv.

06300921 SUPPLIER NUMBER: 67440802  
**Qualcomm Strives for Wireless Standard**  
Tam, Pui-Wing  
Wall Street Journal, p B.6  
Jan 31, 2001  
ISSN: 0099-9660 NEWSPAPER CODE: WSJ

May 13, 2003

DOCUMENT TYPE: News; Newspaper article  
LANGUAGE: English                      RECORD TYPE: ABSTRACT

# **Qualcomm Strives for Wireless Standard**

...ABSTRACT: late 2001, but mass-market adoption isn't likely to come until faster third-generation **cellular** networks arrive during the next few years, said Peggy Johnson, a Qualcomm senior vice president. By then, however, Qualcomm expects consumers to be downloading **programs** such as location-finding systems, MP3 music players and instant-messaging **applications** onto their phones, much as they now do for computer **programs** over the Internet. Qualcomm plans to certify BREW **programs** and charge developers an undisclosed fee for creating an **application**; it also plans to charge **wireless** carriers for every **application download** that a phone user makes. Mr. [Paul Jacobs] declined to set a revenue target on... ..million CDMA phone users by 2004, with the vast majority being able to download BREW **applications**. Qualcomm has been quietly marketing BREW to a variety of phone carriers and **software** developers. It said it has tentative agreements with carriers that include Verizon **Wireless**, KDDI in Japan and Korea Telecom Freetel in South Korea; **software** developers include Japanese game maker Bandai Co. and digital-music company MP3.com Inc., Qualcomm...

DESCRIPTORS: **Wireless** communications...

... **Application** programming interface...

... **Software**

12/3,K/4                      (Item 1 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
(c) 2002 The Gale Group. All rts. reserv.

09871338  
sleek GPRS, Java-enabled phone that's not too pricey  
Philippines: Siemens releases new **mobile** handset  
Philippine Daily Inquirer (UHF)      10 Sep 2002  
Language: ENGLISH

Philippines: Siemens releases new **mobile** handset

In the Philippines, Siemens has debut the 97-gram Siemens m50 **mobile** handset which supports Java, **Wireless Application Protocol** (WAP) and General Packet **Radio Service** (GPRS). With fax/modem functions, the enhanced messaging service (EMS)-enabled handset features pre-loaded Java instant messaging **software**. The m50, tagged at PP 9,000 (US\$ 178.27), will allow speedy Java game and **application download** from the Internet and is powered by a lithium ion battery capable of 260-hour...

PRODUCT: **Cellular** **Radio** Equipment

12/3,K/5                      (Item 2 from file: 583)  
DIALOG(R)File 583:Gale Group Globalbase(TM)  
(c) 2002 The Gale Group. All rts. reserv.

09824178  
Siemens working on cheaper GPRS  
Thailand: Siemens to offer new **mobile** phone at B 10,000  
The Nation (XBO)      16 Jul 2002  
Language: ENGLISH

Thailand: Siemens to offer new **mobile** phone at B 10,000

May 13, 2003

According to Siemens IC Mobile Group's (Siemens') head cum senior vice president, Rudolf Klink, the company is planning to launch M50, a mid-range **mobile** phone in September or October 2002, at the price of B 10,000 (US\$ 243...

...a new web site for its users, of which enable them to surf Internet and **application downloading** into their **mobile** phone. M50 is enabled with general packet **radio** service (GRPS) and Java.

COMPANY: SIEMENS IC **MOBILE** GROUP; INTERNET

PRODUCT: **Cellular Radio** Equipment

May 13, 2003

13/3,K/1 (Item 1 from file: 8)  
DIALOG(R)File 8:Ei Compendex(R)  
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06376803 E.I. No: EIP03197462794  
Title: **Domain-specific codesign for embedded security**  
Author: Schaumont, Patrick; Verbauwheide, Ingrid  
Corporate Source: Electrical Engineering Department Univ. of California,  
Los Angeles, Los Angeles, CA, United States  
Source: Computer v 36 n 4 April 2003. p 68-74+4  
Publication Year: 2003  
CODEN: CPTRB4 ISSN: 0018-9162  
Language: English

...Abstract: The device combines security, biometrics, and networking domains. Additional software support consists of a dynamic **application download** using the Java application manager. Sun's K virtual machine offers an infrastructure for secure...

13/3,K/2 (Item 2 from file: 8)  
DIALOG(R)File 8:Ei Compendex(R)  
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05849626 E.I. No: EIP01276570110  
Title: **Set-top box software architectures for digital video broadcast and interactive services**  
Author: Jaeger, R.  
Corporate Source: BetaResearch Betastrasse 1, 85774 Unterfoehring, Germany  
Conference Title: 20th IEEE International Performance, Computing, and Communications Conference  
Conference Location: Phoenix, AZ, United States Conference Date: 20010404-20010406  
E.I. Conference No.: 58154  
Source: IEEE International Performance, Computing and Communications Conference, Proceedings 2001. p 287-292 (IEEE cat n 01CH37210)  
Publication Year: 2001  
Language: English

...Abstract: monolithic software structure with a native Application Programming Interface. In particular we will discuss the **application download** mechanism in detail. With the introduction of the Java language and a layered software approach...

13/3,K/3 (Item 3 from file: 8)  
DIALOG(R)File 8:Ei Compendex(R)  
(c) 2003 Elsevier Eng. Info. Inc. All rts. reserv.

04070256 E.I. No: EIP95022560680  
Title: **Evolution of the local network**  
Author: Letts, Geoff  
Corporate Source: JNA Network Services, Aust  
Conference Title: Proceedings of the Electrical Engineering Congress 1994. Part 2 (of 2)  
Conference Location: Sydney, Aust Conference Date: 19941124-19941130  
E.I. Conference No.: 42422  
Source: National Conference Publication - Institution of Engineers, Australia v 2 n 94/11 1994. IE Aust, Crows Nest, NSW, Aust. p 511-519  
Publication Year: 1994  
CODEN: NPIEDX ISSN: 0313-6922  
Language: English

...Abstract: model of deploying IT resource. Client-server processes,

May 13, 2003

mail messages, groupware processes, data backups and **application downloads** are all examples of traffic that rely on the LAN being available, providing effective capacity...

13/3,K/4 (Item 4 from file: 8)  
DIALOG(R)File 8:EI Compendex(R)  
(c) 2003 Elsevier Eng. Info. Inc. All rts. reserv.

01103864 E.I. Monthly No: EI8204027702 E.I. Yearly No: EI82018520  
Title: APPLICATION DOWNLOADING .  
Author: Balzar, Robert; Cooperhand, Alvin; Feather, Martin; London, Philip; Wile, David  
Corporate Source: Univ of South Calif, Marina del Rey, USA  
Source: Proc Int Conf Software Eng 5th, San Diego, Calif, Mar 9-12 1981.  
Publ by IEEE Comput Soc Press (Cat n 81CH1627-9), Los Alamitos, Calif, 1981. Also Available from ACM (Order n 592810), Baltimore, Md p 450-459  
Publication Year: 1981  
CODEN: PCSEDE  
Language: ENGLISH

Title: APPLICATION DOWNLOADING .  
Identifiers: APPLICATION DOWNLOADING

13/3,K/5 (Item 1 from file: 65)  
DIALOG(R)File 65:Inside Conferences  
(c) 2003 BLDSC all rts. reserv. All rts. reserv.

02244438 INSIDE CONFERENCE ITEM ID: CN023503340  
An Instance of the Application Download Pattern: The SPAIDS Software Loader/Verifier Domain Analysis and Implementation  
Riley, J.; Dungrani, S.; Pritchett, W.  
CONFERENCE: TRI-Ada '97-Conference  
TRIADA -PROCEEDINGS-, 1997 P: 273-278  
ACM, 1997  
ISBN: 0897919815  
LANGUAGE: English DOCUMENT TYPE: Conference Papers  
CONFERENCE SPONSOR: Association for Computing Machinery Special Interest Group on Ada  
CONFERENCE LOCATION: St Louis, MO  
CONFERENCE DATE: Nov 1997 (199711) (199711)  
NOTE:  
Theme title: Ada; the right choice for reliable software

An Instance of the Application Download Pattern: The SPAIDS Software Loader/Verifier Domain Analysis and Implementation

13/3,K/6 (Item 1 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

6730726  
Title: Low-cost Web based imaging  
Author(s): Henschen, D.  
Journal: Imaging & Document Solutions vol.9, no.9 p.13  
Publisher: Miller Freeman,  
Publication Date: Sept. 2000 Country of Publication: USA  
CODEN: IMMAFZ ISSN: 1083-2912  
SICI: 1083-2912(200009)9:9L.13:CBI;1-A  
Material Identity Number: H202-2000-009  
Language: English  
Subfile: D  
Copyright 2000, IEE



May 13, 2003

...Abstract: locations or bank branches) connect to your centralized server through Web browsers. The ActiveX scanning application downloads automatically in Explorer 4.0 or higher. The scanner itself can be a simple desktop...

13/3,K/7 (Item 2 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

6673242 INSPEC Abstract Number: C2000-09-6150J-025  
Title: **Embedded Linux is starting to make sense**  
Author(s): Varhol, P.  
Journal: Electronic Design vol.48, no.13 p.107-8, 110, 112, 114,  
116  
Publisher: Penton Publishing,  
Publication Date: 26 June 2000 Country of Publication: USA  
CODEN: ELODAW ISSN: 0013-4872  
SICI: 0013-4872(20000626)48:13L:107:ELSM;1-O  
Material Identity Number: E140-2000-017  
U.S. Copyright Clearance Center Code: 0013-4872/2000/\$2.00+1.00  
Language: English  
Subfile: C  
Copyright 2000, IEE

...Abstract: vendors and on newsgroups. The ability to customize an operating-system build for a specific application, download and use free yet high-quality programming tools, and doing it your own way without ...

13/3,K/8 (Item 3 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

5892438 INSPEC Abstract Number: C9805-7180-008  
Title: **Shambaugh & Son deploys NCs to its stores nationwide to streamline costs, maintenance**  
Journal: I/S Analyzer vol.37, no.3 p.12-15  
Publisher: United Communications Group,  
Publication Date: March 1998 Country of Publication: USA  
CODEN: ISANEL ISSN: 0896-3231  
SICI: 0896-3231(199803)37:3L:12:SDSN;1-G  
Material Identity Number: L744-98004  
Language: English  
Subfile: C  
Copyright 1998, IEE

...Identifiers: application downloading ;

13/3,K/9 (Item 4 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

5879260 INSPEC Abstract Number: C9805-6150E-005  
Title: **Please wait...Java applet loading**  
Author(s): Dreher, C.  
Journal: WEB Techniques vol.3, no.4 p.61-2  
Publisher: Miller Freeman,  
Publication Date: April 1998 Country of Publication: USA  
CODEN: WETEFA ISSN: 1086-556X  
SICI: 1086-556X(199804)3:4L:61:PWJA;1-Q  
Material Identity Number: F184-98003

May 13, 2003

Language: English  
Subfile: C  
Copyright 1998, IEE

...Identifiers: application downloading ;

13/3,K/10 (Item 5 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

03922455 INSPEC Abstract Number: C91049966  
Title: Control software downloads applications to network nodes  
Author(s): Labs, W.  
Journal: I&CS vol.64, no.3 p.77-8  
Publication Date: March 1991 Country of Publication: USA  
CODEN: CHISDY ISSN: 0746-2395  
Language: English  
Subfile: C

...Identifiers: application downloading ;

13/3,K/11 (Item 1 from file: 233)  
DIALOG(R)File 233:Internet & Personal Comp. Abs.  
(c) 2003 Info. Today Inc. All rts. reserv.

00662366 02EW05-101  
Solaris 9 to ease patch uploads  
Galli, Peter  
eWeek , May 13, 2002 , v19 n19 p1, 21, 2 Page(s)  
ISSN: 0740-1604  
Company Name: Sun Microsystems  
Product Name: Solaris 9

... or removed through the life cycle of a system. Mentions that Patch Manager, a Java application downloaded to the system, checks the configuration, determines what patches are already loaded and compares this ...

13/3,K/12 (Item 2 from file: 233)  
DIALOG(R)File 233:Internet & Personal Comp. Abs.  
(c) 2003 Info. Today Inc. All rts. reserv.

00652134 01IO12-034  
Caplin claims increased US uptake  
Smith, Greg  
Information World Review , December 1, 2001 , n175 p15, 1 Page(s)  
ISSN: 0950-9879  
Company Name: Caplin Systems; G X Clarke  
URL: <http://www.caplin.com>  
Product Name: Real Time Text Protocol

... browser. Says that RTTP allows real-time data to flow through unmodified firewalls, with no application download or software installation required. Indicates that Caplin Systems was founded in 1995 and is a...

13/3,K/13 (Item 3 from file: 233)  
DIALOG(R)File 233:Internet & Personal Comp. Abs.  
(c) 2003 Info. Today Inc. All rts. reserv.

00409178 96BY01-020

May 13, 2003

Unix takes off -- Unix makes Boeing's 777 something special in the air  
Corcoran, Cate T  
BYTE , January 1, 1996 , v21 n1 p80NA2-80NA6, 4 Page(s)  
ISSN: 0360-5280

... on a flat-panel LCD attached to a 486-based PC. Explains that the maintenance **application** **downloads** readiness information from an on-board LAN, and it saves time by telling the crew...

13/3,K/14 (Item 1 from file: 94)  
DIALOG(R)File 94:JICST-EPlus  
(c)2003 Japan Science and Tech Corp(JST). All rts. reserv.

05156012 JICST ACCESSION NUMBER: 02A0375159 FILE SEGMENT: JICST-E  
Low Power Consumption LSI and Low Power Consumption Technology.  
Ferroelectric memory with ultra-low voltage operation for portable equipments.

SAKUMA SHINZO (1); HAYASHI TAKAHISA (2)  
(1) Okidenkikogyo Lsijigyobu Ipkaihatsubu; (2) Okidenkikogyo Cholsikense  
Oki Tekunikaru Rebyu, 2002, VOL.69,NO:2, PAGE.36-39, FIG.10, TBL.1  
JOURNAL NUMBER: F0243ACA ISSN NO: 0286-892X  
UNIVERSAL DECIMAL CLASSIFICATION: 621.382.2/.3.049.77 537.226.4  
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan  
DOCUMENT TYPE: Journal  
ARTICLE TYPE: Commentary  
MEDIA TYPE: Printed Publication

...ABSTRACT: memory in the title, was developed to be installed for portable equipments for storing the **application** **downloaded** from internet, etc.. This device is suitable for portable equipment applications, with its rewriting capability...

13/3,K/15 (Item 2 from file: 94)  
DIALOG(R)File 94:JICST-EPlus  
(c)2003 Japan Science and Tech Corp(JST). All rts. reserv.

05070658 JICST ACCESSION NUMBER: 02A0178448 FILE SEGMENT: JICST-E  
Software architecture for smart cards.  
SUZUKI KATSUHIKO (1); HIRATA SHIN'ICHI (1); GOROMARU HIDEKI (1); YOSHIDA HAJIME (1)  
(1) Nippon Telegraph and Telephone Corp. (NTT), Information Sharing Platform Lab., JPN  
Denshi Joho Tsushin Gakkai Gijutsu Kenkyu Hokoku(IEIC Technical Report (Institute of Electronics, Information and Communication Engineers), 2001, VOL.101,NO.503(KBSE2001 45-48), PAGE.1-8, FIG.9, TBL.5, REF.8  
JOURNAL NUMBER: S0532BBG  
UNIVERSAL DECIMAL CLASSIFICATION: 681.31+ 681.3.06  
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan  
DOCUMENT TYPE: Journal  
ARTICLE TYPE: Original paper  
MEDIA TYPE: Printed Publication

...ABSTRACT: are also appearing on the market. For such multi-application smart cards, however, post issuance **application** **download** and deletion are possible but post issuance bug fix or function downloads to the basic...

13/3,K/16 (Item 3 from file: 94)  
DIALOG(R)File 94:JICST-EPlus  
(c)2003 Japan Science and Tech Corp(JST). All rts. reserv.

04929374 JICST ACCESSION NUMBER: 01A0805718 FILE SEGMENT: JICST-E

May 13, 2003

**Implementation and Evaluation of Smart Card Information Sharing Platform  
NiNa.**

NIWANO EIKAZU (1); AKASHIKA HIDEKI (1); HASHIMOTO JUNKO (1); YOSHIDA  
SHINSUKE (1); YAMAMOTO SHUICHIRO (1)

(1) Nippon Telegraph and Telephone Corp. (NTT), Information Sharing  
Platform Lab., JPN

Denshi Joho Tsushin Gakkai Gijutsu Kenkyu Hokoku (IEIC Technical Report  
(Institute of Electronics, Information and Communication Engineers),  
2001, VOL.101, NO.140 (KBSE2001 1-4), PAGE.15-22, FIG.9, TBL.1, REF.17

JOURNAL NUMBER: S0532BBG

UNIVERSAL DECIMAL CLASSIFICATION: 681.31+ 681.3.02

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

...ABSTRACT: describes the implementation overview, the functional  
evaluation by business sector, and the performance evaluation of  
**application downloading** of our Smart Card Information Sharing  
Platform NiNa, which adopts the licensing and policy management...

13/3,K/17 (Item 1 from file: 483)

DIALOG(R)File 483:Newspaper Abs Daily

(c) 2003 ProQuest Info&Learning. All rts. reserv.

06300921 .SUPPLIER NUMBER: 67440802

**Qualcomm Strives for Wireless Standard**

Tam, Pui-Wing

Wall Street Journal, p B.6

Jan 31, 2001

ISSN: 0099-9660 NEWSPAPER CODE: WSJ

DOCUMENT TYPE: News; Newspaper article

LANGUAGE: English RECORD TYPE: ABSTRACT

...ABSTRACT: undisclosed fee for creating an application; it also plans to  
charge wireless carriers for every **application download** that a phone  
user makes. Mr. [Paul Jacobs] declined to set a revenue target on...

13/3,K/18 (Item 2 from file: 483)

DIALOG(R)File 483:Newspaper Abs Daily

(c) 2003 ProQuest Info&Learning. All rts. reserv.

04425988

**IN SEARCH OF THE PERFECT SECURITY METAPHOR Series: 7**

American Banker, p 2A, col 1

Feb 18, 1997

ISSN: 0002-7561 NEWSPAPER CODE: AB

DOCUMENT TYPE: News; Newspaper

LANGUAGE: English RECORD TYPE: ABSTRACT

LENGTH: Medium (6-18 col inches)

...ABSTRACT: said: "The beauty of Java is, it's a secure language. You  
can write an **application**, **download** it; it's verified before it runs;  
and it runs in a virtual machine layer...

13/3,K/19 (Item 1 from file: 144)

DIALOG(R)File 144:Pascal

(c) 2003 INIST/CNRS. All rts. reserv.

11765716 PASCAL No.: 94-0637302

**Client/server vs. cooperative processing: two downsizing topologies  
compared**

May 13, 2003

FRIEND D

Pilot Software Inc., Cambridge MA, USA

Journal: Information systems management, 1994, 11 (3) 7-14

Language: English

English Descriptors: Information technology; **Application** ; **Downloading** ;  
Cooperative phenomenon; Comparative study; Distributed system;  
Information system; Management; Client server architecture

13/3,K/20 (Item 1 from file: 99)

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs

(c) 2003 The HW Wilson Co. All rts. reserv.

2105406 H.W. WILSON RECORD NUMBER: BAST00026360

**The DVB MHP specification: a guided tour**

Vogt, Carsten;

World Broadcast Engineering v. 23 no3 (Mar. 2000 supp) p. 4-8

DOCUMENT TYPE: Feature Article ISSN: 1050-012X

...ABSTRACT: set top box, television, or PC. Harmonized specifications for these MHPs will ensure application interoperability, **application download**, scalability, and upgradeability. Leading manufacturers of consumer electronics, the IT industry, software houses, and service...

13/3,K/21 (Item 2 from file: 99)

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs

(c) 2003 The HW Wilson Co. All rts. reserv.

2032561 H.W. WILSON RECORD NUMBER: BAST98067808

**The set-top box as "multi-media terminal"**

Pekowsky, Stuart; Jaeger, Rudolf

IEEE Transactions on Consumer Electronics v. 44 no3 (Aug. 1998) p. 833-40

DOCUMENT TYPE: Feature Article ISSN: 0098-3063

...ABSTRACT: handling these services are described in addition to other basic set-top box functions. The **application download** mechanism and examples of its utilization for delivery of enabling software to the set-top...

13/3,K/22 (Item 1 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

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09871338

sleek GPRS, Java-enabled phone that's not too pricey

Philippines: Siemens releases new mobile handset

Philippine Daily Inquirer (UHF) 10 Sep 2002

Language: ENGLISH

...m50, tagged at PP 9,000 (US\$ 178.27), will allow speedy Java game and **application download** from the Internet and is powered by a lithium ion battery capable of 260-hour...

13/3,K/23 (Item 2 from file: 583)

DIALOG(R)File 583:Gale Group Globalbase(TM)

(c) 2002 The Gale Group. All rts. reserv.

09824178

Siemens working on cheaper GPRS

Thailand: Siemens to offer new mobile phone at B 10,000

The Nation (XBO) 16 Jul 2002

May 13, 2003

Language: ENGLISH

...a new web site for its users, of which enable them to surf Internet and application downloading into their mobile phone. M50 is enabled with general packet radio service (GRPS) and Java.

May 13, 2003

15/3,K/1 (Item 1 from file: 8)  
DIALOG(R)File 8:EI Compendex(R)  
(c) 2003 Elsevier Eng. Info. Inc. All rts. reserv.

06039130 E.I. No: EIP02166920380

Title: **Software Defined Radios (SDR) platform and Application Programming Interfaces (API)**

Author: Tarver, Byron; Christensen, Eric; Miller, Annamarie  
Corporate Source: Motorola IISG, Scottsdale, AZ, United States  
Conference Title: Milcom 2001: Communications for Network-Centric Operations: Creating the Information Force  
Conference Location: McLean, VA, United States Conference Date: 20011028-20011031

E.I. Conference No.: 59101  
Source: Proceedings - IEEE Military Communications Conference MILCOM v 1 2001. p 153-157 (IEEE cat n 01ch37277)  
Publication Year: 2001  
CODEN: PMICET  
Language: English

Abstract: A Software Defined **Radio** , as defined by the Federal Communications Commission (FCC) Notice of Proposed Rule Making (NPRM), FCC ...

...a new generation of communication waveform developers to create new applications without intimate alliances with **radio** manufacturers. However, to be successful, the union of the application with the platform must be...

...accesses platform services through well-defined public interfaces that support the entire lifecycle of the **application** , i.e., from **installation** of the **application** through **removal** of the **application** from any given platform. This paper **discusses** SDR software architecture features, the need and definition of a common set of APIs and...

Descriptors: **Radio** systems; Computer programming; Interfaces (computer) ; Computer software; Digital signal processing; Microprocessor chips; Field programmable gate...

15/3,K/2 (Item 2 from file: 8)  
DIALOG(R)File 8:EI Compendex(R)  
(c) 2003 Elsevier Eng. Info. Inc. All rts. reserv.

02210316 E.I. Monthly No: EI8706056421

Title: **CRUSHER RETROFIT EASES DOWNTIME.**

Author: Michard, Don (Ed. )  
Corporate Source: Pit & Quarry, Chicago, IL, USA  
Source: Pit & Quarry v 79 n 9 Mar 1987 p 48, 50  
Publication Year: 1987  
CODEN: PIQUAN ISSN: 0032-0293  
Language: ENGLISH

Abstract: Frequent breakdowns in the power take-off (PTO) component coupling a **portable** crusher drive to its diesel engine power plant were creating an operational problem for Belcher...

...loads. It was repeatedly down for maintenance, requiring replacement of the pilot bearings and friction **disk** assemblies. The location of a pilot bearing places it in direct contact with the engine crankshaft making the crankshaft vulnerable to the heavy side **loads** at high speeds typical of diesel PTO **applications** . The Wichita design **eliminates** the pilot bearing. Instead, the flywheel and clutch are attached at the clutch OD by ...

May 13, 2003

15/3,K/3 (Item 3 from file: 8)  
DIALOG(R)File 8:EI Compendex(R)  
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02039550 E.I. Monthly No: EI8611107538 E.I. Yearly No: EI86031106  
Title: PORTABLE EMULATION TOOL.  
Author: Anon  
Source: IBM Technical Disclosure Bulletin v 29 n 1 Jun 1986 p 64-65  
Publication Year: 1986  
CODEN: IBMTAA ISSN: 0018-8689  
Language: ENGLISH

Title: PORTABLE EMULATION TOOL.

Abstract: During the development of a microprocessor-based intelligent disk controller using a microprocessor, there was a need for a portable emulation device that was not dependent on a host system. The circuit described provides a...

...by removing its dependency on a host-development system. The code to be emulated is downloaded from erasable programmable read-only memory (EPROM) into the emulator with the use of a simple circuit.

Identifiers: EPROM; EMULATION TOOL; DISK CONTROLLER; MICROPROCESSOR; PORTABLE EMULATION DEVICE

15/3,K/4 (Item 4 from file: 8)  
DIALOG(R)File 8:EI Compendex(R)  
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00235024 E.I. Monthly No: EI72X039577  
Title: Quadrature filters. What they are and what they do.  
Author: WEINER, M. A.  
Corporate Source: Singer General Precision Inc, Little Falls, NJ  
Source: Electronic Engineer (Philadelphia) (Changed to EE/Systems Engineering today v 30 n 9 Sept 1971 p 35-40, 42  
Publication Year: 1971  
CODEN: EEEEE  
Language: ENGLISH

Abstract: The quadrature filters discussed in this article are of the waveform- averaging type, employing some form of phase- sensitive...

...these devices are defined and interpreted. Following these explanations is a series of test measurement setups that demonstrate the applications of quadrature filters. Their ability to eliminate the quadrature components of signals makes these filters important for systems with a c carriers.

Descriptors: RADIO FILTERS

15/3,K/5 (Item 1 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

7354979 INSPEC Abstract Number: B2002-09-6250-094, C2002-09-6150E-002  
Title: Software defined radios (SDR) platform and application programming interfaces (API)  
Author(s): Tarver, B.; Christensen, E.; Miller, A.  
Author Affiliation: Motorola Inc., Scottsdale, AZ, USA  
Conference Title: 2001 MILCOM Proceedings Communications for Network-Centric Operations: Creating the Information Force (Cat. No.01CH37277) Part vol.1 p.153-7 vol.1  
Publisher: IEEE, Piscataway, NJ, USA  
Publication Date: 2001 Country of Publication: USA 2 vol.xxi+1506 pp.  
ISBN: 0 7803 7225 5 Material Identity Number: XX-2002-00710



May 13, 2003

U.S. Copyright Clearance Center Code: 0-7803-7225-5/01/\$17.00  
Conference Title: 2001 MILCOM Proceedings Communications for  
Network-Centric Operations: Creating the Information Force  
Conference Sponsor: IEEE; ComSoc; AFCEA  
Conference Date: 28-31 Oct. 2001 Conference Location: McLean, VA, USA  
Language: English  
Subfile: B C  
Copyright 2002, IEE

Abstract: A software defined **radio** , as defined by the Federal  
Communications Commission (FCC) Notice of Proposed Rule Making (NPRM), FCC  
...

... a new generation of communication waveform developers to create new  
applications without intimate alliances with **radio** manufacturers.  
However, to be successful, the union of the application with the platform  
must be...

... accesses platform services through well-defined public interfaces that  
support the entire lifecycle of the **application** , i.e., from **installation**  
of the **application** through **removal** of the **application** from any given  
platform. This paper **discusses** SDR software architecture features, the  
need and definition of a common set of APIs and...

...Descriptors: **radio** receivers

15/3,K/6 (Item 2 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

03720298 INSPEC Abstract Number: B90060479, C90056782  
**Title: Programmable logic arrays for prototype computer implementation**  
Author(s): Williams, I.  
Author Affiliation: Dept. of Comput. Sci., Manchester Univ., UK  
Conference Title: IEE Colloquium on 'Programmable Logic Devices for  
Digital Systems Implementation' (Digest No.090) p.5/1-3  
Publisher: IEE, London, UK  
Publication Date: 1990 Country of Publication: UK 38 pp.  
Conference Date: 25 May 1990 Conference Location: London, UK  
Language: English  
Subfile: B C

Abstract: **Discusses** the prototyping of MUSHROOM, a RISC processor  
designed to support object-oriented and symbolic processing...

... ability to reconfigure nearly instantaneously is clearly a major  
advantage of LCA devices over UV **erasable** or fuse **programmable** devices.  
By **loading** different configuration patterns, the same hardware can, for  
example, be readily used to implement many...

...Identifiers: logic **cell** arrays...

15/3,K/7 (Item 3 from file: 2)  
DIALOG(R)File 2:INSPEC  
(c) 2003 Institution of Electrical Engineers. All rts. reserv.

02690878 INSPEC Abstract Number: B86041089, C86033965  
**Title: Inside CoCo's ROMpak**  
Author(s): Wolf, S.W.  
Journal: 73 for Radio Amateurs no.306 p.36-9  
Publication Date: March 1986 Country of Publication: USA  
CODEN: RAAMEP ISSN: 0745-080X  
Language: English  
Subfile: B C

May 13, 2003

Abstract: Describes a program that eliminates tape loading. Once executed, it prints a menu screen, and the loader puts the chosen program into RAM and executes it. This program will work only with machine language programs. Three methods of building the ROMpak's code are discussed and the use of PROM burners is considered.

...Descriptors: Radio Shack computers

...Identifiers: Radio Shack computers

15/3,K/8 (Item 1 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.

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00627596 01PI04-109

One drive fits all

Brown, Bruce

PC Magazine , April 24, 2001 , v20 n8 p42, 1 Page(s)

ISSN: 0888-8507

Company Name: Addonics Technologies

URL: <http://www.addonics.com>

Product Name: Addonics Mobile DVD /CDRW

Product Name: Addonics Mobile DVD /CDRW

Presents a favorable review of the Addonics Mobile DVD /CDRW (\$450), a removable DVD -ROM and CD -RW disk drive from Addonics Technologies Inc. of Fremont, CA (800). Explains that it is rated for 8X DVD playback, 12X CD -R recording, 10X CD -RW recording, and 32X CD playback. Highlights Cyberlink's PowerDVD MPEG2 decoding software, Adaptec Easy CD Creator 4.3 CD mastering software, Direct CD 3.03 application, ease of installation via a PC Card, functioning as removable file storage, and tabs that keep the media in place and decrease the noise level ...

... Concludes that it is a fine choice for giving laptop computers new life for both DVD movie playback and CD -RW creation. On a scale ranging from 1 to 5, received the rating of 4...

Descriptors: Disk Drive; DVD ; CD-RW ; Removable; Optical Disk Drive; CD - ROM Production

Identifiers: Addonics Mobile DVD /CDRW; Addonics Technologies

15/3,K/9 (Item 1 from file: 6)

DIALOG(R)File 6:NTIS

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0927195 NTIS Accession Number: N81-32697/7/XAB

Twenty kW Fuel Cell Units of Compact Design. Part 6: Use of Fuel Cell Aggregates and Energy Conversion. Part 7: Concept and Design Studies for Special Standby Power Supplies

(Final Report)

Braun, R.

Siemens A.G., Erlangen (Germany, F.R.).

Corp. Source Codes: 056225000; SK010214

Sponsor: National Aeronautics and Space Administration, Washington, DC.

Report No.: BMFT-FB-T-80-059-V-6/7; ISSN-0340-7608

Sep 80 71p

Languages: German

Journal Announcement: GRAI8203; STAR1923

In German; English Summary. Sponsored by Bundesministerium fuer Forschung und Technologie.

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NTIS Prices: PC A04/MF A01

May 13, 2003

**Twenty kW Fuel Cell Units of Compact Design. Part 6: Use of Fuel Cell  
Aggregates and Energy Conversion. Part 7: Concept and Design Studies for  
Special Standby Power Supplies**

Dimensioning and circuit arrangement of fuel cell aggregates of different capacity built up from the basic 7 kW unit are discussed as well as the electrical design of dc and ac converters. Battery overlap, cold operation and water removal under reduced load conditions are considered. Two specific applications are studied: a 20kVA fully automated standby unit for hospitals; and a movable 1.5kVA...

15/3,K/10 (Item 1 from file: 34)  
DIALOG(R)File 34:SciSearch(R) Cited Ref Sci  
(c) 2003 Inst for Sci Info. All rts. reserv.

11301919 Genuine Article#: 632GN No. References: 16  
Title: **Feasibility study of mechanically disintegrated sludge and recycle  
in the activated-sludge process**  
Author(s): Camacho P (REPRINT) ; Geaugey V; Ginestet P; Paul E  
Corporate Source: CIRSEE, Ondeo Serv, 38 Rue President Wilson/F-78230 Le  
Pecq//France/ (REPRINT); CIRSEE, Ondeo Serv, F-78230 Le Pecq//France//;  
Inst Natl Sci Appl, Dept Genie Procédés Ind, Lab Ingn Procédés  
Environm, F-31077 Toulouse 4//France/  
Journal: WATER SCIENCE AND TECHNOLOGY, 2002, V46, N10, P97-104  
ISSN: 0273-1223 Publication date: 20020000  
Publisher: I W A PUBLISHING, ALLIANCE HOUSE, 12 CAXTON ST, LONDON SW1H0QS,  
ENGLAND  
Language: English Document Type: REVIEW (ABSTRACT AVAILABLE)

...Abstract: system associating activated sludge and mechanical treatment (High Pressure Homogenizer) were evaluated for urban wastewater. Discontinuous experiments showed that the energy applied at the first pass was high enough to modify the sludge particulate fraction (high COD release) but without cell lysis. The applied shear forces led to a progressive cell break up (maximal COD release 90% total COD). Continuous experiments showed less than 20% reduction in sludge production (compared to a control run under the same loading conditions  $YTSS = 0.35 \text{ g TSS.g}^{-1}\text{COD(removed)}$ ) through the application of mechanical treatment (stress frequency =  $0.2 \text{ d}^{-1}$ ). Recycling of mechanical treated sludge to...

15/3,K/11 (Item 1 from file: 99)  
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs  
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1840351 H.W. WILSON RECORD NUMBER: BAST99024881  
**Technology from Europe**  
World Oil v. 220 no4 (Apr. '99) p. 85-134  
DOCUMENT TYPE: Feature Article ISSN: 0043-8790

ABSTRACT: A special section on technology from Europe. Articles discuss such technical innovations as the safe off-loading of liquefied natural gas, the PDC bit...

...production logging systems, new THERMIE technologies, deepwater flowline and riser concepts, floating production systems, offshore installation / removal concepts, pile toe-driving system applications, and a mobile, self-installing platform with a unique combination of properties. Interviews with John D. Garnish, who has oil...

15/3,K/12 (Item 2 from file: 99)  
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs  
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May 13, 2003

1553427 H.W. WILSON RECORD NUMBER: BAST97052472

**Language difficulties**

New Scientist v. 155 (July 19 '97) p. 11

DOCUMENT TYPE: Feature Article ISSN: 0262-4079

ABSTRACT: Buyers purchasing **handheld** Windows CE computers in the U.S. may find that the **CD - ROM** of Microsoft programs supplied with the computer are not compatible for swapping data with desktop...

...system, depending on the version of Windows 95 used. The files also state that anyone **installing** the wrong **software** will not be able to **remove** it using the **software** that comes with Windows 95. However, Microsoft's British Office says it has had no...

DESCRIPTORS: **Handheld** computers...

May 13, 2003

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File 148:Gale Group Trade & Industry DB 1976-2003/May 12  
(c)2003 The Gale Group  
File 621:Gale Group New Prod.Annou.(R) 1985-2003/May 12  
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File 636:Gale Group Newsletter DB(TM) 1987-2003/May 12  
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File 20:Dialog Global Reporter 1997-2003/May 13  
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File 696:DIALOG Telecom. Newsletters 1995-2003/May 12  
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File 634:San Jose Mercury Jun 1985-2003/May 11  
(c) 2003 San Jose Mercury News  
File 553:Wilson Bus. Abs. FullText 1982-2003/Mar  
(c) 2003 The HW Wilson Co  
File 635:Business Dateline(R) 1985-2003/May 13  
(c) 2003 ProQuest Info&Learning

Set	Items	Description
S1	1074	APPLICATION()DOWNLOAD?
S2	5816523	LOAD? OR DOWNLOAD? OR INSTALL? OR SETUP? OR SETTING()UP OR RELOAD?
S3	3952280	DELET? OR REMOV? OR ELIMINATE? OR ERAS?
S4	20353339	SOFTWARE OR PROGRAM? OR APPLICATION? OR OS OR OPERATING()SYSTEM
S5	12180503	COMPUTER()READABLE()MEDIUM OR DISC? OR DISK? OR CD OR CDS - OR CD()ROM OR DVD OR HDD
S6	6771461	HPC OR HPCS OR PIM OR PERSONAL() (DIGIT?? OR INFORMATION) ()-(ASSIST? OR MANAG? OR ORGANI?ER) OR CELL OR CELLULAR OR CORDLESS OR HANDHELD OR PORTABLE OR MOBILE OR RADIO OR WIRELESS
S7	358575	PAGER OR PDA OR PDAS OR (PERSONAL OR PRIVATE) (1W) (DIGITAL OR DATA OR INFORMATION) () (ASSISTANT? OR ORGANIZER? OR TERMINAL? OR DEVICE?) OR VISOR OR HANDSPRING OR PALM () (PILOT? OR V-II)
S8	16227	S2(5N)S3(5N)S4
S9	6852616	S6 OR S7

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S10	1	S1(S)S8(S)S9(S)S5
S11	6	S1(S)S5(S)S9
S12	5	S11 NOT S10
S13	5	RD (unique items)
S14	5	S13 NOT S10
S15	0	AU=(MINEAR, B OR MINEAR B?)
S16	708	AU=(GARDNER, R? OR GARDNER R?)
S17	0	AU=(SPRIGG, S? OR SPRIGG S?)
S18	294	AU=(NGUYEN, P? OR NGUYEN P?)
S19	714	AU=(OLIVER, M? OR OLIVER M?)
S20	0	AU=(LEKVEN, E? OR LEKVEN E?)
S21	0	S16 AND S18 AND S19

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10/3,K/1 (Item 1 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
(c) 2003 The Dialog Corp. All rts. reserv.

17936247 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**InterTrust Launches New Multi-Device DRM Platform for Secure Content  
Protection and Management**  
PR NEWSWIRE  
July 23, 2001  
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 1383

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... models. -- Portability of content -- Content can be seamlessly  
transferred between multiple PCs and accessed from **portable** devices. --  
Premium content -- As DRM-enabled business models unfold, consumers will  
benefit from higher quality content and bonus content, similar to today's  
DVD offerings.

"Digital World Services is very pleased to support InterTrust in their  
efforts in launching..

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14/3,K/1 (Item 1 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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04010286 Supplier Number: 53185966 (USE FORMAT 7 FOR FULLTEXT)  
-VERIFONE: VeriFone launches the OMNI 2650 Smart Terminal.  
M2 Presswire, pNA  
Nov 5, 1998  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 630

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...Inc., the leading global provider of secure electronic payment technology, has launched the OMNI 2650 **portable** payment processing terminal. The new hand-held terminal communicates with its base via infra-red technology to provide retailers and restaurants with a flexible and **mobile** payment processing solution. This enables customers to settle their accounts without having to wait by...

...Jean-Marc Villaret, Marketing Director for VeriFone's Europe Middle-East and Africa region. "The **portable** terminal is put into the customer's hands, the vendor captures the card information and...

...access module (SAM) option supports up to four micro-models -- A fully captured card reader **discourages** card withdrawal before the transaction is complete -- A triple-track card reader supports capture data on all three tracks and hi-coercivity cards -- Close-coupled infrared technology communicates between the **handheld** unit and the base -- Internal pinpad allows for debit, electronic purse and loyalty smart card transactions -- An optional unit with a tethered cable connects the **handheld** piece to the base for online transaction processing -- An optional thermal or sprocket printer in...

...Handles multiple secure applications -- Allows remote downloads and application updates using Flash memory -- Accepts partial **application downloads** -- Supports Terminal Management Software (TMS) for remote diagnostics and maintenance -- Works with VeriFone's VeriTalk...

...Tel: +44 (0)171 831 9421 e-mail: franklin@drurylane.demon.co.uk \*M2  
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14/3,K/2 (Item 2 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
(c) 2003 The Gale Group. All rts. reserv.

03898339 Supplier Number: 50064421 (USE FORMAT 7 FOR FULLTEXT)  
-ERICSSON: Ericsson introduces easy-to-use Web-based calling product  
M2 Presswire, pN/A  
June 9, 1998  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 486

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...place a toll free call to a representative without requiring a second phone line or **disconnecting** from the Internet. The representative can answer questions or assist in completing a transaction, thus...

...it simple to use. End-users only need a standard multimedia PC. The small helper **application downloads** quickly, allowing faster purchasing transactions or other customer service support." Implementing PCQC for the



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Web...

...000 employees are active in more than 130 countries. Their combined expertise in fixed and **mobile** networks, **mobile** phones and infocom systems makes Ericsson a world-leading supplier in telecommunications. CONTACT: Staffan Lindholm...

...Tel: +46 8 681 26 56 e-mail: lars.ostlund@etx.ericsson.se \*M2  
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14/3,K/3 (Item 3 from file: 636)  
DIALOG(R)File 636:Gale Group Newsletter DB(TM)  
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02729003 Supplier Number: 45536937 (USE FORMAT 7 FOR FULLTEXT)  
**MITSUBISHI LAUNCHES FIRST INTERACTIVE TV SET-TOP BOX; WILL DEMONSTRATE  
FIRST OF A FAMILY OF PRODUCTS**  
M2 Presswire, pN/A  
May 12, 1995  
Language: English Record Type: Fulltext  
Document Type: Newswire; Trade  
Word Count: 622

... It features an ergonomic set-top design, easy-to-use remote controller, simple user interface, **application downloadability** and support for video-on-demand. The new set-top box is the first in...

...1000 provides a common operating system environment that can interface with telephone, cable television and **wireless** networks. And it offers compatibility with the Oracle Media Objects (OMO) cross-platform authoring tool...

...that others in the market have not had," said Rude. "These strengths include consumer electronics, **wireless** communications and semiconductor manufacturing. It's the competency in all these areas, together with our...  
...products include large-screen, direct-view and projection TVs, VCRs, home theater systems and laser **disc** players. Mitsubishi Electric established the Multimedia Business Development Center (MBD) in April 1994 to develop...

14/3,K/4 (Item 1 from file: 9)  
DIALOG(R)File 9:Business & Industry(R)  
(c) 2003 Resp. DB Svcs. All rts. reserv.

3515960 Supplier Number: 03515960 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Richer interfaces spruce up e-commerce sites  
(Internet application design to be changed by executable-Internet  
applications)**  
BtoB, v 87, p 18  
August 12, 2002  
DOCUMENT TYPE: Journal; Industry Overview ISSN: 1087-948X (United States)  
LANGUAGE: English RECORD TYPE: Fulltext  
WORD COUNT: 583

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...a real-time view into how its business is doing. Edmundo Ruiz, CIO of Siemens' **mobile** division, was skeptical about Curl's promises but ultimately **discovered** he could build a much more powerful e-commerce application using this approach. The new **application downloads** 90% faster and has resulted in an 83% increase in usage compared with their

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previous...

14/3,K/5 (Item 1 from file: 20)  
DIALOG(R)File 20:Dialog Global Reporter  
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26321268 (USE FORMAT 7 OR 9 FOR FULLTEXT)  
**Amazon.com Releases Holiday Shopping Patterns to Date; Top Sellers Show  
Customers Seeking Low Prices This Holiday Season**  
BUSINESS WIRE  
November 29, 2002  
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT  
WORD COUNT: 1565

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... s Top Sellers Since November 1, 2002 (based on units ordered):  
-- Holiday Shoppers Ring Up Cell Phone Sales: Cell phone unit  
sales for November are over four times higher than last November. Consumers  
love...

...com's low pricing, which has left many of the newest, state-of-the-art  
cell phones free after rebates. Top sellers include the Samsung S105  
(free after rebates), Sony Ericsson...

... 250 savings in rebates) and the Motorola T720i (\$49.99 after \$250  
savings in rebates). Cell phones with color screens are also a customer  
favorite this holiday. Over 60 percent of the cell phones sold this  
month feature a color screen for enhanced Web browsing, increased  
functionality for application downloads, and brighter and  
easier-to-navigate menus. -- Plummeting Prices Drive DVD Player Sales:  
Amazon.com's unit sales of DVD players have increased 70 percent  
year-over-year for the month of November due to the products' lower price  
points. With quality DVD players priced below \$100, the overall value to  
the consumer has never been higher, and multifunctional players like the  
Toshiba SD2805 5-disc carousel DVD and CD player have been flying off  
the virtual shelves. Originally retailing at \$229.99 and sold...

... Amazon.com are DVDs - not surprising as, according to Adams Media  
Research, about 37 million DVD players will have been sold in the U.S. by  
the end of 2002. DVDs...

... Sets for Low Prices and Greater Value: Value-conscious customers are  
also snatching up boxed DVD sets at Amazon.com this holiday season.  
James Bond 007 Special Edition DVD Collection, Back to the Future - The  
Complete Trilogy, The Simpsons - The Complete Second Season and...

...100 at Amazon.com and are among the top 25 bestsellers in Amazon.com's  
DVD store. -- Fall Releases at 40 Percent Off Top Books Bestseller  
Lists: Amazon.com's top...

... date this holiday season. -- Kitchenware Sales are Cooking: Holiday  
shoppers are taking advantage of large discounts and bonus products  
included with purchases in Amazon.com's Kitchen & Housewares store. The top  
...